

The top half of the cover features a wide, decorative border composed of a repeating triangle pattern. Inside this border, a large, ornate frame is centered. The frame has a scalloped inner edge and is topped with a decorative finial. The word "RECORD" is printed in a large, bold, serif font across the center of this frame.

RECORD

Alex Wetmore

1906.

February 3, 1906 - August 30, 1906.

Lawrence Kansas

Do
50

Number 1460-

Eggs Number 84-

} inclusive.

February 3, Saturday

1460. *Spizella monticola*. A. Wetmore. Wakarusa River south of Lawrence, Kansas, iris brown. maxilla + tip of mandible dusky. base of culmen clay brown. rest of mandible yellow. tarsus dark brown. Length 155 wing 75 tail 66 ♀ im. Stomach contents seeds.

1461. *Spizella monticola*. A. Wetmore. Wakarusa River, south of Lawrence, Kansas, iris brown. maxilla and tip of mandible dusky. base of culmen clay brown. rest of mandible yellow. tarsus dark brown. Length 150 wing 77 tail 67 ♂ im. Stomach contents seeds.

1462. *Spizella monticola*. A. Wetmore. Wakarusa River, south of Lawrence, Kansas, iris brown. maxilla and tip of mandible dusky. base of culmen clay brown. rest of mandible yellow. tarsus dark brown. Length 157 wing 74 tail 65 ♀ im. Stomach contents seeds.

1463. *Spizella monticola*. A. Wetmore. Wakarusa River, south of Lawrence, Kansas, iris brown. maxilla and tip of mandible dusky. rest of mandible yellow. tarsus dusky. Length 154 wing 77 tail 68 ♂ im. Stomach contents seeds.

1464. *Spizella monticola*. H.E. Fowler, Wakarusa River, south of Lawrence, Kansas, iris brown. maxilla and tip of mandible dusky. base of culmen clay brown. rest of mandible yellow. tarsus brown. Length 151 wing 74 tail 66 ♀ im. Stomach contents seeds.

1465. *Sitta carolinensis*. A. Wetmore. Wakarusa River, south of Lawrence, Kansas, iris brown. maxilla and tip of mandible dull black. base of culmen + rest of maxilla slaty white. tarsus brown. Length 149 wing 92 tail 46 ♀ ad. Stomach contents insects.

1466. *Pensthes atricapillus*. ~~A. Wetmore~~ H.E. Fowler. Wakarusa River, south of Lawrence, Kansas, iris brown. bill black. tarsus bluish slate. Length 134 wing 69 tail 64 ♀ im. Stomach contents insects.

1467. *Dryobates pubescens medianus*. H.E. Fowler, Wakarusa river, south of Lawrence, Kansas, iris brown. bill dull black. base of mandible slaty. tarsus drab slate. Length 164 wing 96 tail 55 ♀ ad. Stomach contents seeds.

Sent to C.B. Smith
Los Angeles
11/1/85

1468. *Penthestes atricapillus*. H. E. Fowler. Wakarusa River, south of Lawrence, Kansas, iris brown. bill black. tarsus dull slate. Length 142 wing 73 tail 71. Dim. Stomach contents insects.

1469. *Dryobates villosus*. A. Wetmore. Road south of Lawrence, Kansas, iris brown. bill dark slate. tarsus dark slate. Length 223 wing 124 tail 74. Pad. Stomach contents ants eggs.

1470. *Dryobates villosus*. A. Wetmore. Wakarusa river south of Lawrence, Kansas, iris brown. bill blackish slate. tarsus drab slate. Length 220 wing 117 tail 75. Pad. Stomach contents grubs.

1471. *Cardinalis cardinalis*. A. Wetmore. Wakarusa River south of Lawrence, Kansas, iris brown. bill light red. tip dusky. tarsus brown. Length 221 wing 97 tail 100. Pad. Stomach contents seeds.

1472. *Cardinalis cardinalis*. H. E. Fowler. Wakarusa River. south of Lawrence, Kansas, iris brown. bill light red. tarsus brown. Length 222 wing 98 tail 110. Pad. Stomach contents. seeds.

84. *Larus marinus*. taken in Greenland, 1894 by Miller for the governor of Greenland. Obtained from J. F. Dyche. No further data. broken when received.

This morning Fowler and I went south of town down to the Wakarusa. It was warm but was windy.

Crows were gathered in considerable numbers about a slaughter house where they were feeding on offal. They were wary however and we got no shots although I wanted one of the birds especially.

Tree sparrows were common in a few places but were not as numerous as they have been. Those that I shot seemed rather dark-colored. They were very shy and secretive.

Birds as a whole were rather scarce. We found quite a crowd of cardinals in one place. They were about equal in number as regards sex. They were partial to thick patches of brush along a little draw and were hard

to see because of the way they treat themselves. Only occasionally did the males sing although they are getting in good plumage now.

Saw quite a few Hairy Woodpeckers in the bottoms. It is the first time I have noted so many for some time. One that I shot had a hint just got up as it was beside a hole on a willow stub. Both those that I secured were females.

While we were sitting on the bank of the River a Harlan Hawk came sailing along but turned off just before it reached us. It lit in a tree where it was hidden in the limbs but soon took a more open perch and eyed us closely. Then it flew off and I began to wish I had shot but expect that it was out of range. A Crow pursued it dashing down past it but the Hawk only sailed along following the river in all its windings.

The egg of *Larus marinus* registered here was given me by Prof. S. T. Dyer. It was a damaged egg from his Greenland collection.

February 10, Saturday.

1473. *Junco hyemalis*, A. Wetmore. Draw north of Lawrence, Kansas, iris brown. nostrils and tip of bill dusky. rest pinkish white. tarsus brown. Length 160 wing 82 tail 70 3 in. Stomach contents seeds.

1474. *Junco hyemalis*. A. Wetmore. Draw north of Lawrence, Kansas, iris brown. basal half of culmen and tip of bill dusky. rest dull pinkish white. tarsus brown. Length 152 wing 76 tail 64 3 in. Stomach contents seeds.

1475. *Oryzopsis pubescens medianus*. A. Wetmore. Draw north of Lawrence, Kansas, iris brown. bill black. base of mandible paler. tarsus greenish drab. Length 159 wing 92 tail 53 3 in. Stomach contents quails.

1476. *Centurus carolinus*. A. Wetmore. Draw north of Lawrence, Kansas, iris reddish brown. bill dull black. tarsus drab green. Length 235 wing 136 tail 79 3 in. Stomach contents corn.

1477. *Zonotrichia querula*. A. Wetmore. Draw north of Lawrence

1477.

given to O. Hanna

Kansas, iris brown. bill pale dull cinnamon. Tarsus brown. Length 184 wing 93 tail 84. Stomach contents seeds.

1478. *Certhia familiaris americana*. Q. Wetmore. iris brown. maxilla and tip of mandible brown. rest of mandible paler. Tarsus brown. Length 144 wing 72 tail 68. Stomach contents.

1479. *Zonotrichia querula*. Q. Wetmore. Draw north of Lawrence, Kansas, iris brown. bill pale dull cinnamon. Tarsus brown. Length 185 wing 91 tail 85. Stomach contents seeds.

This morning it was cold and windy but the sun was shining. Went up the R.R. back to a small draw and then followed west along it. All the birds seen were in sheltered places.

Saw several Harris Sparrows but they were rather wild. One flew down into some buck brush and moved around so stealthily that I almost lost it. Others were seen in the hedges and a few in a brush pile with English Sparrows.

Heard a field sparrow sing several times in a nearby orchard. The song was not very clear but was easily traced to its owner. The bird however was very wild and I could not get near it although I saw it several times.

Heard a Chewink call once but could not find the bird.

Bluejays were common in one orchard. Heard a male singing in a tree and got near enough to shoot it with the auxiliary. I mounted this bird. There was quite a flock of them but they melted away when I began to shoot.

Several brilliant male Purple Finches were seen but I got no shots. They kept around some clumps of black pines.

Shot a single Brown Creeper and saw a sharp-shinned Hawk.

February 17, Saturday.

1480. *Asio accipitrinus*. Q. Wetmore. Meadow five miles east of Lawrence, Kansas, iris yellow. bill black. inside of toes dull white. Length 370 wing 400 tail 154 Pad stomach contents short-tailed vole.

1481. *Asio accipitrinus*. Q. Wetmore. Meadow five miles east of Lawrence, Kansas, iris yellow. bill black. inside of toes dull white. Length 375 wing 330 tail 159 Pad stomach contents short-tailed vole.

1482. *Centurus carolinus*. Q. Wetmore. Kaw River east of Lawrence, Kansas, iris reddish brown. bill dull black. tarsus greenish drab. Length 235 wing 135 tail 83 Pad stomach contents grubs.

1483. *Otocoris alpestris praticola*. C. Hackman. Pasture east of Lawrence, Kansas, iris brown. maxilla and tip of mandible brown. rest of bill pale slate. tarsus brownish black. Length 167 wing 101 tail 63 Pad stomach contents seeds.

1484. *Melanerpes erythrocephalus*. Q. Wetmore. Road east of Lawrence, Kansas, iris brown. tip of bill dusky. rest greenish white. tarsus greenish drab. Length 230 wing 136 tail 80 Pad stomach contents acorns.

1485. *Merula migratoria*. Q. Wetmore. Kaw River east of Lawrence, Kansas, iris brown. maxilla and tip of mandible brown. rest of bill yellow. tarsus brown. Length 245 wing 128 tail 93 Pad stomach contents hackberries.

1486. *Merula migratoria*. Q. Wetmore. Kaw River east of Lawrence, Kansas, iris brown. maxilla and tip of mandible brown. rest of bill yellow. tarsus black. Length 252 wing 134 tail 98 Pad stomach contents hackberries.

1487. *Cardinalis cardinalis*. Q. Wetmore. Kaw River east of Lawrence, Kansas, iris brown. bill light red. tarsus brown. Length 218 wing 100 tail 105 Pad stomach contents seeds.

1488. *Sialia sialis*. Q. Wetmore. Kaw River east of Lawrence, Kansas, iris brown. bill black. gape dull orange. tarsus black. Length 172 wing 103 tail 67 Pad stomach contents berries.

1489. *Passer domesticus*. Q. Wetmore. Road southeast of

Shut to C.B. Linton
Sp. Aug. 11/188

Lawrence, Kansas, iris brown. bill black. tarsus brown. Length 158 wing 80 tail 57 ♂ ad Stomach contents seeds + Kaffir corn.

1490. *Spizella monticola*. A. Wetmore. east of Lawrence, Kansas, iris brown. maxilla and tip of mandible black. base of ulnae brown. rest of mandible yellow. tarsus brown. Length 150 wing 75 tail 68 ♀ im. Stomach contents seeds.

1491. *Carpodacus purpureus*. A. Wetmore. east of Lawrence, Kansas, iris brown. bill pale dull olive. tarsus dull brown. Length 150 wing 82 tail 57 ♀ ad Stomach contents seeds.

1492. *Carpodacus purpureus*. A. Wetmore. Draw east of Lawrence, Kansas, iris brown. bill pale dull olive. tarsus brown. Length 149 wing 84 tail 54 ♀ ad Stomach contents seeds.

1493. *Carpodacus purpureus*. A. Wetmore. Draw east of Lawrence, Kansas, iris brown. bill pale dull olive. tarsus brown. Length 151 wing 87 tail 56 ♀ ad. Stomach contents. Seeds.

1494. *Carpodacus purpureus*. A. Wetmore. Draw. east of Lawrence, Kansas, iris brown. bill pale dull olive. tarsus brown. Length 149 wing 84 tail 56 ♀ ad Stomach contents seeds.

1495. *Cardinalis cardinalis*. E. Huckman. Amelung east of Lawrence, Kansas, iris brown. bill light red. tarsus brown. Length 215 wing 99 tail 104 ♂ ad Stomach contents seeds.

1496. *Ampelis cedrorum*. A. Wetmore. Kaw River east of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 180 wing 96 tail 56 ♂ ad Stomach contents hickberries.

1497. *Ampelis cedrorum*. A. Wetmore. Kaw River east of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 172 wing 98 tail 57 ♀ ad Stomach contents hickberries.

1498. *Ampelis cedrorum*. D. Hanna. Kaw River east of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 182. wing 97 tail 61 ♂ ad Stomach contents hickberries.

1499. *Ampelis cedrorum*. D. Hanna. Kaw River east of Lawrence, Kansas, iris brown. bill black. tarsus black.

Given me by D. Hanna

Length 178 wing 95 tail 54 Pad. stomach contents hachberries
1500. Ampelis cedrorum. Q. Wetmore. Kaw River east
of Lawrence, Kansas, iris brown. bill black tarsus black.
Length 178 wing 98 tail 56 Pad. stomach contents - hachberries
1501. Cyanocitta cristata. Dallas Hanna, Lawrence
Kansas, Feb. 9, 1906. No. 52. ♀., Bluejay 6 1/4 x 12 x 16
iris brown, mandibles feet + legs black. Shot in
cedar trees. (Original label.)

Last evening I went out to Hanna east
of Lawrence and stayed all night. This morning
Hanna and I went east along the Kaw River.
The country was level with a fringe of timber
along the river. There was about two inches
of snow on the ground.

Purple Finches were common in one little
draw and kept well up in the trees. They all
appeared to be females. Usually the top of a
cottonwood or sycamore was chosen for a perch.
They did not appear as wild as they usually
do.

Along the river we found a flock of about
one hundred Robins. They kept down in the
timber usually and were quite tame. When
started however the flock always flew some
distance and kept along the river. They called
softly but made not attempt at song. They were
feeding on hachberries, swallowing them whole.

There was also a flock of twenty-five or
thirty Cedar Waxwings with them. They sat
closely bunched in the tops of the trees looking like
little round balls and usually remaining motionless.
Several were secured at each shot. They gave a
low tee-e-e-e occasionally. They had also been
feeding on hachberries and their throats were
distended with them. Some had the wax tips
to their wings and some did not which on one
or two they showed on the tail. These birds are
said to be rare here.

In the afternoon the snow had all disappeared and we drove over east. Prairie Horned Larks were seen around in the fields and one pair occupied a pasture. The male was singing and the ovaries of the female which I shot showed growth.

As we drove past a farm a Red-headed Woodpecker flew onto a bare limb and sat there in the sun. I sneaked around under a straw stack and shot it. Its plumage was rather dirty and I do not doubt that it had wintered. The wing feathers had just grown in. The bird had eaten acorns.

In a low marshy field we stopped and walked through. Almost immediately a short-eared Owl flew up from the grass but I missed it. It went a short distance further and lit and stood fully exposed. As I advanced it flew again with a flapping circling flight and lit a long distance off. Then two more came up together almost at my feet and I got both of them. These are the first ones I ever secured. The field was marshy and the grass came half way to my knees.

Saw an ~~white~~ intermediate Sparrow sitting in a tree in a farm yard with some English Sparrows.

Also encountered a great flock of Tree Sparrows.

February 22, Thursday.

1502. *Amphispiza cedrorum*. Q. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus dark brown. Length 175 wing 96 tail 55. Stomach contents wild grapes.

1503. *Oryzopsis villosus*. Q. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill slaty black. base of mandible pale. tarsus very dark dull slate. Length 209 wing 120 tail 73. Stomach contents insects.

1504. *Spizella monticola*. Q. Wetmore. Kaw River north

Ant to C. C. Clinton
San Diego 11/10/07

of Lawrence, Kansas, iris brown. maxilla and tip
of mandible black. rest of mandible yellow. base
of culmen hair brown. tarsus dark brown. feet darker
Length 150 wing 73 tail 70 Pad stomach contents seeds
1505. *Penthestes atricapillus*. Q. Wetmore. Kaw River north
of Lawrence, Kansas, iris brown. bill black. tarsus slate.
Length 139 wing 68 tail 64 Pin. stomach contents insects
1506. *Penthestes atricapillus*. Q. Wetmore. Kaw River
north of Lawrence, Kansas, iris brown. bill black. tarsus
slate. Length 134 wing 64 tail 60 Pad stomach contents
insects
1507. *Ameco hyemalis*. Q. Wetmore. Kaw River north of
Lawrence, Kansas, iris brown. maxilla & tip of mandible
dusky. rest of bill pinkish white. tarsus dark brown
Length 149 wing 79 tail 65 Pin. stomach contents seeds.
This morning it was very windy but
I went north along the Kaw River.

The sun was warm but birds were hard to find.
A single Cedar Waxwing was secured in some thick
grapes in a clump of trees. It was all alone
and called louder than usual thus attracting my
attention. It was not at all wild.

Heard and saw two Myrtle Warblers in a
sunny place along the river. They were very wild
and went off at a great rate through the woods
and I could not find them again anywhere.
In the shelter of a high bank I saw an
American Merganser. I came out within easy shot
of it but it dove and flew immediately on
coming up.

Two Lesser Scaup Ducks also swam out
from under the bank and immediately flew. I
shot one but it blew across the river.

Amcoos were common and appeared to be
mating. They were very hard to approach. The
males sang and went through all the mating actions
although of course they were not pairing.

Saw a number of Tree Sparrows also.

Sent to C. B. Silliman
Los Angeles 4/10/09

February 24, Saturday

1508 *Thryothorus ludovicianus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla and tip of mandible dull brown. base of mandible paler. tarsus brown. Length 145 wing 65 tail 51. ♂ ad stomach contents insects

1509. *Baeolophus bicolor*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus slate. Length 157 wing 53 tail 70 ♂ ad stomach contents insects

1510 *Cardinalis cardinalis*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill light red. tarsus brown. Length 221 wing 98 tail 105 ♂ ad stomach contents seeds

1511. *Junco hyemalis*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. tip of bill and nostrils dusky. rest pale pinkish white. tarsus brown. Length 152 wing 79 tail 66 ♂ im. stomach contents seeds.

1512. *Penstheus atricapillus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus dull slate. Length 133 wing 63 tail 65 ♀ ad stomach contents insects

1513. *Penstheus atricapillus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus dull slate. Length 135 wing 67 tail 65 ♂ ad stomach contents insects

1514. *Dryobates pubescens medianus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill slaty black. tarsus greenish drab. Length 161 wing 92 tail 55 ♀ ad stomach contents insects

1515. *Spizella monticola*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla & tip of mandible dull brown. rest of mandible yellow. base of culmen pale brown. tarsus dark. Length 149 wing 73 tail 66 ♀ ad stomach contents seeds.

1516. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill pale dull olive. base of culmen paler and slightly buffy. tarsus dark.

Sent to C. B. Sinton
11/10/07 S. S. S. S.

brown. Length 152 wing 83 Tail 58 Ad Stomach contents cottonwood seeds

1517. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kan. iris brown. bill pale dull olive. base of mandible paler. tarsus dark brown. Length 159 wing 87 tail 60 Ad Stomach contents cottonwood seeds

1518. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill pale dull olive. base of mandible paler. tarsus dark brown. Length 158 wing 86 tail 58 Ad Stomach contents cottonwood seeds

1519. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill pale dull olive. base of mandible paler. tarsus dark brown. Length 150 wing 87 tail 57 Ad Stomach contents cottonwood seeds

1520. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill pale dull olive. base of mandible paler. tarsus dark brown. Length 155 wing 83 tail 57 Ad Stomach contents cottonwood seeds

1521. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill dull olive. base all around paler. tarsus dark brown. Length 153 wing 83 tail 57 Ad Stomach contents cottonwood seeds

1522. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill dull olive. base of mandible paler. tarsus dark brown. Length 151 wing 79 tail 55 Ad Stomach contents cottonwood seeds

1523. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill dull olive. base of mandible paler. maxillary tomia yellow. tarsus dark brown. Length 150 wing 83 tail 58 Ad Stomach contents cottonwood seeds

1524. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill dull olive. base of mandible paler. tarsus dark brown. Length 143 wing 77 tail 48 Ad Stomach contents cottonwood seeds.

1525. *Carpodacus purpureus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill dull olive. base of mandible paler. maxillary tomia yellow. tarsus dark brown. Length 145 wing 77 tail 55 Ad Stomach contents cottonwood seeds

1526. *Carpodacus purpureus*. G. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill dull olive. base of mandible paler. maxillary tomia yellow. tarsus dark brown. Length 149 wing 80 tail 53 ♀ im. Stomach contents cottonwood seeds.

1527. *Carpodacus purpureus*. G. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill dull olive. base of mandible paler tarsus dark brown. Length 148 wing 80 tail 51 ♂ ad Stomach contents cottonwood seeds.

1528. *Cardinalis cardinalis* H. E. ^{Fowler} ~~Wetmore~~. Kaw River north of Lawrence, Kansas, iris brown. bill light red. tarsus brown. Length 225 wing 101 tail 110. ♂ ad Stomach contents seeds.

1529. *Junco hyemalis montanus* H. E. Fowler. Kaw River north of Lawrence, Kansas, iris brown. tip of bill and nostrils dusky. rest of bill pinkish white. tarsus brown. Length 157 wing 78 tail 68 ♂ ad Stomach contents seeds.

1530. *Circus hudsonius*. Parrish. South of Lawrence Kansas iris yellow. base of mandible & maxillary tomia ~~yellow~~. rest of bill dull black. cere dull green. tarsus and feet yellow. claws black. Length 479 wing 355 tail 221 ♂ ad Stomach contents. short-tailed vole. taken Feb. 23.

1531. *Pipilo erythrophthalmus*. D. Hanna. ♂ ad. Lawrence Kansas, Mar. 3, 1906. No. 98 (original label) Skin given to me.

This morning I went north along the Santa Fe.

Heard a Carolina Wren singing along the river and pursued it quite a distance by its notes. I could not even catch sight of it and so lost it. Then I shot at another bird and the Wren lit right in front of me and I secured it.

Purple Finches were common and I secured five fine males. The birds were fearless and were feeding on the cottonwood bolls in the tops of the trees. Only a few were in the rosy plumage. They were very quiet and I had to look closely to detect them at all in the trees. The males sang a little occasionally. Frequently they would

sit perfectly motionless and so avoid detection. When frightened from one tree they flew on immediately to the next but soon returned. Frequently I would hear a soft note and see one sitting only a few feet away. They fed on the seeds of the cottonwood balls picking them out with their bills. Their throats were as full as they would hold of the seeds. When I had scared them out of one tree I had only to wait a few minutes and they would come back.

The Cardinals were in full song. They chased each other constantly around through the bush and two males were especially pugnacious. They would not give each other a moment's rest but kept fighting around through the bushes continually. They were in fine plumage. Some of them clear into the tops of the cottonwoods to sing but usually they were content to come out along the edge of the bush.

Saw a flock of Canada Geese flying north high in the air and a single Turkey Vulture. The Geese were silent.

February Birdlist

American Goldfinch	Pintail
English Sparrow	Canvasback
Bluejay	Red-winged Blackbird
Chicadee	Meadowlark
Red-bellied Woodpecker	Fox Sparrow
Hairy Woodpecker	Canada Goose
Crow	Turkey Vulture
Tufted Titmouse	Myrtle Warbler
Flicker	American Meropane
Cardinal	Lesser Scaup Duck
Downy Woodpecker	49. Towhee
Junco	
Purple Finch	
Tree Sparrow	
Red-tailed Hawk	
Western Red-tailed Hawk	
Song Sparrow	
White-breasted Nuthatch	
Marsh Hawk	
Bluebird	
Brown Creeper	
American Rough-legged Hawk	
Robin	
Prairie Horned Lark	
Harlan Hawk	
Pigeon Hawk	
White-rumped Shrike	
Red-shafted Flicker	
Sharp-shinned Hawk	
Harris Sparrow	
Carolina Wren	
Screech Owl	
Short-eared Owl	
Cedar Waxwing	
Red-headed Woodpecker	
Gambel Sparrow	
Field Sparrow	
Mallard	

March 10, Saturday.

1532. *Merula migratoria*. Q. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris dark brown. tip of bill dull black. base of maxilla hair brown. base of mandible & maxillar tonia yellow. Tarsus dark dull brown. Length 253 wing 137 tail 103 ♂ ad. Stomach contents sumac seeds

1533. *Merula migratoria*. Q. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris dark brown. mandibular ramus and base of maxillar tonia dull orange. rest of bill very dark brown. Tarsus and feet very dark brown. Length 259 wing 133 tail 106 ♀ ad. Stomach contents sumac seeds and green hemiptera

1534. *Merula migratoria*. Q. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris dark brown. tip of bill dull black. rest yellow. Tarsus clay brown. Length 249 wing 137 tail 96. ♂ ad. Stomach contents sumac seeds

1535. *Merula migratoria*. Q. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris dark brown. maxilla & tip of mandible very dark brown. rest of mandible & maxillar tonia yellow. Tarsus dull brown. Length 260 wing 144 tail 104 ♂ ad. Stomach contents sumac seeds

1536. *Merula migratoria*. Q. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dark brown. maxilla and tip of mandible brownish black. Culmen, maxillar tonia. spot in front of nostril and base of mandible yellow. Tarsus dark brown. Length 237 wing 136 tail 98 ♂ ad. Stomach contents sumac seeds

1537. *Merula migratoria*. Q. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris dark brown. maxilla and tip of mandible brown. base of mandible dull orange yellow. base of mandible tinged with spots of same. Tarsus dark dull brown. Length 232 wing 120 tail 93 ♀ ad. Stomach contents sumac seeds

1538. *Merula migratoria*. Q. Wetmore. Washington

Creek southwest of Lawrence, Kansas, iris dark brown. tip of bill black culmen between nostrils dull brown. tarsus dark hair brown. Length 235 wing 122 tail 92 ♂ ad stomach contents sunnec seeds.

1539 *Spizella monticola ochracea*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible dusky slate. base of mandible yellow. tarsus brown. Length 145 wing 73 tail 65. ♂ ad stomach contents seeds.

1540. *Spizella monticola ochracea*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible dusky slate. base of culmen dull brown. base of mandible yellow. tarsus brown. Length 146 wing 71 tail 68 ♂ ad stomach contents seeds.

1541 *Spizella monticola ochracea*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible blackish brown. base of mandible yellow. tarsus brown. Length 145 wing 72 tail 63 ♂ ad stomach contents seeds.

1542. *Spizella monticola ochracea*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible black. base of mandible yellow. tarsus brown. Length 148 wing 72 tail 67 ♂ ad stomach contents seeds.

1543. *Spizella monticola ochracea*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible dull black. base of culmen dull brown. base of mandible yellow. tarsus dark brown. Length 145 wing 70 tail 66 ♂ ad stomach contents seeds.

1544. *Passerella iliaca*, A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. maxilla brown. tip of mandible greenish slate. base yellow. tarsus brown. Length 160 wing 90 tail 76 ♂ ad stomach contents seeds.

1545. *Passerella iliaca*. A. Wetmore. Wakarusa river southwest of Lawrence, Kansas, iris brown. maxilla brown. tip of mandible greenish slate. base yellow. tarsus brown. Length 176 wing 86 tail 76 ♀ ad stomach contents - seeds.

1546. *Lanius borealis*. A. Wetmore. Wakarusa bottom southwest of Lawrence, Kansas, iris brown. maxilla brown. tip of mandible greenish slate. base yellow. tarsus brown. Length 176 wing 86 tail 76 ♀ ad stomach contents - seeds.

Sent to C. B. Smith
Everett, Wash.
Mo.

of Lawrence, Kansas, iris brown. bill black mandibles
horn striped longitudinally with slate. tarsus dull
black. Length 270 wing 122 tail 116 ♂ ad stomach
contents foot of a mouse

1547. *Cardinalis cardinalis*. Q. Wetmore. Washington
Creek southwest of Lawrence, Kansas, iris brown. bill
light red. tarsus brown. Length 222 wing 94 tail 105
♀ ad stomach contents seeds

1548. *Junco hyemalis*. Q. Wetmore. Wakarusa river southwest
of Lawrence, Kansas, iris brown. bill dull rosy white. tarsus
brown. Length 161 wing 78 tail 70 ♂ im stomach contents seeds

1549. *Parus bicolor*. Q. Wetmore. Wakarusa river southwest
of Lawrence, Kansas, iris brown. bill black. tarsus slate. Length 162
wing 83 tail 74 ♀ ad stomach contents insects

1550. *Dryobates pubescens medianus*. Q. Wetmore. Washington
Creek southwest of Lawrence, Kansas, iris brown. bill dull
black. tarsus drab green. Length 157 wing 93 tail 56 ♀ ad
stomach contents grubs

1551. *Melospiza cinerea melodia*. Q. Wetmore. Washington
Creek southwest of Lawrence, Kansas, iris brown. maxilla
& tip of mandible greenish slate. base of mandible pale buff.
tarsus pale brown. Length 152 wing 63 tail 60 ♀ ad stomach
contents seeds

1552. *Nettion carolinensis*. Q. Wetmore. Wakarusa river
southwest of Lawrence, Kansas, iris brown. bill black. tarsus
drab. Length 391 wing 178 tail 76 ♂ ad stomach
contents seeds

1553. *Melanerpes carolinus*. Q. Wetmore. Wakarusa river
southwest of Lawrence, Kansas, iris reddish brown. bill
dull black. tarsus drab green. Length 235 wing 130
tail 83 ♀ ad stomach contents corn

1554. *Gonotrichia querula*. Q. Wetmore. Washington
Creek southwest of Lawrence, Kansas, iris brown. bill
pale dull cinnamon. tarsus brown. Length 178 wing 85
tail 80 ♀ im stomach contents seeds

1555. *Megascops asio*. Q. Wetmore. Washington Creek
southwest of Lawrence, Kansas, iris yellow. bill pale
greenish inside of toes dirty white. Length 203 wing 163
tail 82 ♂ ad stomach contents mouse

1556. *Megascops asio*. C. Wetmore. Washington Creek
southeast of Lawrence, Kansas, iris yellow. bill light
green. inside of toes greenish white. Length 217 wing 170
tail 82. Pad stomach contents. mice.

1557. *Aythya collaris*. ~~Wetmore~~ E. E. Brown Lake View west
of Lawrence, Kansas, iris yellowish brown. bill black. band
across tip, one around base of maxilla and mandibular
rami slaty blue. tarsus lead color. Length 440 wing 197
tail 64. Pad stomach contents seeds.

1558. *Hedyme carolinensis*. E. E. Brown. Lake View west
of Lawrence, Kansas, iris brown. bill black. tarsus dull
lead color. Length 405 wing 182 tail 86. Pad seeds.

This morning at five o'clock I started for
Washington Creek. An occasional white-crowned or
Harris Sparrow or a Cardinal whistled from the
bushes until about six when the Cardinals
suddenly began to sing at first from low perch
usually hidden from the bushes. as it got lighter,
according to their custom they mounted higher
to exposed perches. The males are in especially
fine plumage now and sing a great deal.
One that I heard had his song marked by some
deep mellow notes that were especially attractive.

Harris Sparrows were very noisy just before the
sun rose but kept hidden in the bushy part of the
hedges at the bottom where they could not be seen.
Later they were congregated in small flocks in suitable
places and their loud ringing notes sounded from
considerable distances.

Before it grew light a small flock of ducks
passed over to the north but I could not distinguish
what they were. At daylight on the Wakarusa river
a flock of Green-winged Teal whirled swiftly over me
and I dropped one with a long shot. It was only
winged and swam toward shore and then dove
but I got it after a short time.

Crows were abundant as usual all day and
flew about close to me. I shot one and could have
secured others. They were bothering the hawk all

day long and followed them in droves perching about them, cawing loudly. When the hawk flew there was immediately a great uproar and some of the bolder crows would dash at him with a low throaty note.

Heard and saw quite a number of Towhees in bushy places. They were rather shy and hard to approach. The males sang quite a good deal. One that I noted sat in a bush near the top of the hill giving the song with the trill first instead of last.

In one or two places were a number of Song Sparrows. They sang a good deal and it seemed quite like home again. They seemed to have a mysterious power of vanishing in some way and slipped away almost before my eyes. In singing they sat in the tops of the bushes.

Along Washington Creek were several hundred Robins. They were scattered along at first on the crests of the hills feeding on sumach berries. They perched right on the clusters and pulling the berries off swallowed them hastily. One little burned place was especially frequented by them. Later when a storm threatened they were found down in the draws and flew up with a roar of wings ahead of me. When it really began to snow however, as it did about noon they came out in the tops of the trees singing loudly. A Cooper Hawk dashing past frightened them into the air and the hawk pursued the flock for a time without success and then circled away. The Robins soon returned. They were just getting the full summer plumage. One male secured showed what was evidently the method of growth in the tail feathers. The outer two or three feathers were full length while the inner feathers were only half grown. All were new black colored feathers. The outer feathers were probably cast first and when these were nearly replaced the other inner feathers were lost. In this was the whole

tail would not be lost at once. Those that had new tails even when they appeared fully developed could be distinguished from the others in measurements as they were about a centimeter shorter and the difference was shown to be in length of tail. The bills were also changing color and were losing their brown winter color for the yellow of summer. This changing of color ranged from nearly wholly brown to nearly yellow in different individuals. The birds were all in good condition. To my surprise some of the males apparently adult from the texture of the bones were still in winter plumage. I think in body plumage the change in color is due to the wearing away of the tips of the feathers and not to molt.

Secured one Downy Woodpecker with what appeared to me to be an exceedingly long slender bill and also very small weak feet. It agreed with other specimens otherwise as nearly as I could tell without comparison with skins.

Fox Sparrows were common today. They are not singing much but an occasional good song was heard. About a dozen were encountered on one side hill and my attention was attracted to them by the rustling of the leaves among which they were feeding. When I approached they flew first into the bushes and then into deeper cover. All were exceedingly fat. In the bushes they sat quietly seeming rather stupid.

In the small bushes near the head of the draw were numbers of Western Tree Sparrows. Several of those taken appeared to be typical ochracea while others were intermediate. This form always appears to be taken just preceding or just after a storm and appears to do considerable moving about during the winter time.

In the barn at Washington Creek I climbed into the hay loft and immediately saw first one screech owl and then another sitting on the

rafters. They were sitting bolt upright with the feathers drawn in closely to the body and with glaring yellow eyes. Neither made a move not even when I shot the other. They were a pair male and female; the former grey and the latter red. The female was also quite a bit the largest. She had well developed ovaries and contained one egg that I think would have been fully developed in not more than ten days. I looked around the barn but could discover no signs of a nest.

Red-bellied Woodpeckers were common and noisy all day. They are giving the rolling note usual to them in spring. This note appears to be common to both sexes. At any rate I heard one bird giving which I shot and found to be a female while on other occasions I am sure I have distinguished the note as coming from the male. Along late in the afternoon it began to grow colder with threats of a heavy storm and on Wakarusa River I heard one of these birds calling several times. Finally it flew to a tree directly opposite me and hopping up a few feet to a hole into which it disappeared; to roost I have no doubt as it did not appear again although I was nearby for some time. I have no doubt that the threatening weather influenced it in retiring so early. The female secured have slightly developed ovaries while the bill had become darker than in winter specimens.

About dark several flocks of Mallard were seen coming from the north ahead of the storm. They circled around rather low down and seemed to be looking for a place to light. I tried one long shot but missed.

About fifteen hundred Red-winged and Rusty Blackbirds also came swooping into the Wakarusa bottoms to roost. They came from

the north in long straggling flocks flying just above the tops of the hedges. I did not secure any of them as I was after a shrike. A few single birds had been seen during the day and one rusty was feeding along a run near the hills. It flew out when I approached and lit in the hedge and then went further.

Saw a shrike fly across the road and pursued it. It lit in the top of the hedge for an instant and then disappeared. When I approached it flew diagonally across a field to another hedge with what I took to be a junco in its claws. It started out strongly but at the end of twenty rods it was just above the ground but the hedge was close by and by a spurt it managed to make it. I was surprised at the strength of wing shown. The bird hid itself in the thicket lower portion of the hedge but when I approached flew out leaving its prey. I finally secured it but it showed great tenacity of life. I was surprised to find it *Tamias borealis* as I had expected *T. l. eximius* and in fact did not discover my mistake until I reached home. It was very light colored and showed scarcely any vermiculation on the breast. In fact the lines could hardly be distinguished.

Mr. Edward Brown presented me with a green-winged teal and a ring-necked duck through the kindness of Rev. Adams. The Ring-neck was a fine male and is my first specimen. It was in full glossy plumage and could not have been a better bird. It was not very fat. Indeed the feathers on the pectoral pterylae had their roots imbedded in the flesh so that skinning the bird was difficult.

Saw one Leconte Sparrow in a grassy field but

could not secure it. It always came up a few feet off and it was too dark to shoot on the wing while when it lit it could not see it. It finally dropped into some grass from which I could not flush it.

March 17, Saturday.

1559. *Osio accipitrinus*. A. Wetmore. Marsh east of Lawrence, Kansas, iris yellow bill black cere dark olive. inside of toes dirty yellowish white. Length 373 wing 331 tail 155 ♂ ad. stomach contents empty.
1560. *Osio accipitrinus*. A. Wetmore. Marsh east of Lawrence, Kansas, iris yellow. bill & cere dull black. inside of toes dirty buffy white. claws dull black. Length 386 wing 315 tail 158 ♀ ad. stomach contents empty.
1561. *Corvus americanus*. A. Wetmore. Prairie east of Lawrence, Kansas, iris brown bill black tarsus black. Length 420 wing 282 tail 166 ♀ ad. stomach contents com.
1562. *Merula migratoria*. A. Wetmore. east of Lawrence, Kansas, iris brown. maxilla and tip of mandible brownish black rest of bill orange yellow. tarsus dull brown. claws same. inside of toes yellowish. Length 242 wing 128 tail 87 ♀ ad. stomach contents sumac seeds.
1563. *Merula migratoria*. A. Wetmore. east of Lawrence, Kansas, iris brown. tip of bill black. rest yellow. tarsus dark brown. claws black. inside of toes yellow. Length 239 wing 133 tail 97 ♀ ad. stomach contents sumac seeds.
1564. *Merula migratoria*. A. Wetmore. Draw east of Lawrence, Kansas, iris dark brown. maxilla and tip of mandible dull blackish brown. rest of bill dull orange yellow. tarsus dark brown. claws black. Length 250 wing 130 tail 96 ♂ ad. stomach contents sumac seeds.
1565. *Merula migratoria*. A. Wetmore. Draw east of Lawrence, Kansas, iris dark brown. tip of bill black. rest yellow. tarsus brown. claws black. Length 253 wing 138 tail 105 ♂ ad. stomach contents sumac seeds.
1566. *Merula migratoria*. A. Wetmore. Draw east of Lawrence, Kansas, iris brown. maxilla and tip of

Sent to C. P. Linton
Savannah
1/1/18

- mandible black. rest of bill including maxillary
tomea yellow. tarsus brown. claws black. Length 251
wing 128 tail 98 ♀ ad Stomach contents sunflower seeds
1567. *Sialia sialis*. A. Wetmore. Draw east of Lawrence
Kansas, iris dark brown. bill black. gape slightly orange.
tarsus and feet black. Length 163 wing 93 tail 59 ♀ ad
Stomach contents sunflower seeds
1568. *Otocoris alpestris praticola*. A. Wetmore. prairie
east of Lawrence, Kansas, iris brown. maxilla and tip
of mandible black. base of mandible ivory white.
tarsus black. Length 176 wing 102 tail 65 ♂ ad stomach
contents seeds
1569. *Otocoris alpestris praticola*. A. Wetmore. prairie east
of Lawrence, Kansas. iris brown. maxilla and tip of
mandible dark hair brown. base of mandible dull
buffy white. tarsus dark brown. Length 170 wing 102
tail 62 ♀ ad stomach contents seeds
1570. *Calcarius lapponicus*. A. Wetmore. prairie east
of Lawrence, Kansas, iris brown. tip of bill black. rest
dark cinnamon brown. tarsus dull brown. Length 148
wing 87 tail 57 ♀ ad stomach contents seeds
1571. *Passerella iliaca*. A. Wetmore. Horseshoe Lake east of
Lawrence, Kansas, iris brown. maxilla olive brown. base
of mandible yellow. rest of mandible + maxillary toms
greenish yellow. tarsus brown. Length 178 wing 82 tail 75
♀ ad stomach contents seeds
1572. *Zonotrichia querula*. A. Wetmore. Draw east of
Lawrence, Kansas, iris brown. bill pale dull cinnamon.
tarsus brown. Length 187 wing 91 tail 85 ♂ ad stomach
contents seeds
1573. *Spizella monticola*. A. Wetmore. Draw east of
Lawrence, Kansas, iris brown. maxilla and tip of
mandible black. base of mandible yellow. tarsus dark
brown. Length 158 wing 79 tail 75 ♂ ad stomach contents seeds
1574. *Spizella monticola*. A. Wetmore. Draw east of Lawrence
Kansas, iris brown. maxilla and tip of mandible black.
base of mandible yellow. tarsus dark brown. Length 155
wing 77 tail 72 ♂ ad stomach contents seeds
1575. *Melospiza cinerea melodia*. A. Wetmore. Horseshoe Lake

east of Lawrence, Kansas, iris brown maxilla black.
base of mandible buffy. maxilla tibia and rest
of mandible greenish slate tarsus pale brown. Length 162
wing 68 tail 72 ~~Foot~~ stomach contents seeds

1576. *Junco hyemalis*. A. Wetmore. Draw east of Lawrence
Kansas, iris brown tip of bill and nostrils dusky. rest
pinkish white. tarsus pale brown. Length 156 wing 76
tail 71 ~~Foot~~ stomach contents seeds

1577. *Carpodacus purpureus*. A. Wetmore. Draw east
of Lawrence, Kansas, iris brown. bill dull olive base
of mandible paler. tarsus brown. Length 160 wing 82
tail 57 ~~Foot~~ stomach contents seeds

1578. *Carpodacus purpureus*. A. Wetmore. Draw east
of Lawrence, Kansas, iris brown. bill dull olive. base of
mandible paler. tarsus dark brown. Length 156 wing 81
tail 57 ~~Foot~~ stomach contents seeds

1579. *Carpodacus purpureus*. A. Wetmore. Draw east of
Lawrence, Kansas, iris brown. bill dull olive. base of
mandible slightly paler. tarsus dark brown. Length 148
wing 85 tail 56 ~~Foot~~ stomach contents seeds

1580. *Sitta carolinensis*. A. Wetmore. Wakarusa River
east of Lawrence, Kansas, iris brown. maxilla and
tip of mandible black. rest of mandible & base of
culmen bluish white. tarsus brown. Length 145 wing 89
tail 45 ~~Foot~~ stomach contents insects

1581. *Certhia familiaris americana*. A. Wetmore. Wakarusa
river east of Lawrence, Kansas, iris brown. maxilla
and tip of mandible dark brown. base of mandible
pinkish white. tarsus dark brown. Length 132 wing 63
tail 59 ~~Foot~~ stomach contents insects

This morning it was cold and frosty with
a southwest wind. There was about two and
one-half inches of snow on the ground and the
sky was overcast. Clate Hackman, Dallas Hanna and
I walked out to Horseshoe Lake, a little more than
eight miles. For the first three miles we followed
along some low hills in the hollows of which were
patches of brush with occasional extensive groups
of trees. Then the country changed and we traversed

Sent to C. B. Smith
See Aug 11/1899.

A flat prairie, marshy at first and covered with grass and then changing to cultivated fields. The whole country was formerly arable but since the flood of 1903 water has stood on portions of it in spite of draining ditches. The banks of Horshoe Lake were covered with a narrow fringe of timber slightly thinner than that along Wabamoose and composed in the main of smaller trees. The Lake itself was simply a cut-off from Wabamoose, the oxbow loop of the old Physical Geography. It was frozen over though not strongly enough to walk upon but the Wabamoose River was in most places open because of the swift current. It is a small river what would be called a creek in Wisconsin and is subject to sudden rises. The banks are steep and muddy and overhang the water in many places. The water is slightly muddy. The current is broken with much flood trash and occasional beds of gravel across which the water forms ripples.

In one place near the bridge west of the lake there was a sandstone outcrop along the water's edge. The stone was smooth and rounded from the action of the water.

The mud on these bottoms is sticky to an extreme. It ballled up on our feet during the afternoon when it began to thaw so that walking was very hard work. I doubt very much if a single horse could have pulled us. On one other trip out here we were nearly stuck and had to get out and walk.

Our dinner consisted of a rabbit cooked over a fire and some warmed up sandwiches.

Numbers of Fox Squirrels were seen in the timber. The people here call them Red squirrels. I shot one female with three young by mistake. She poked her head out of a hole and I thought it was a deer and shot her. The young were quite large but did not have their eyes

open yet. Charles Bunker says they open their eyes when seven days old. Their snout be of fair size when born then. These squealed shrilly when taken out into the air and were covered with a sort of flea which was hard to get rid of. The front legs appeared very long and reached out as if to grasp something continually. The long hairs were just beginning to show on the tail. I took them up to the Museum and put them up in formalin.

Saw frequent signs of Pocket gophers both in the hills and prairie. On one spot the tunnels were observed in the snow. This animal moves along just below the surface of the ground throwing up the earth at the surface ⁱⁿ with an irregular winding line. Occasionally a great quantity of earth is thrown out in the form of a circle and within this is concealed an entrance hole.

Robins were common in sheltered places in the hills. The ground has been covered with snow for a week now and they have been faring rather poorly. Those taken had no fat whatever upon them and even the pectoral muscles were shrunk away until the sternum projected in a sharp line. They were very tame and allowed a close approach and when frightened only flew a few feet. They were eating the sumac berries and sat on the bushes picking ravenously at the berries. I do not think that these berries contain much nutriment. One Robin had a sharp indentation on the sternum as though it had been struck by a shot.

Crows were common of course. They were flying around a good deal but some showed signs of having nests. One acted in a queer manner when we approached a clump of trees - it flew out and lit on

the prairie where it stood spreading its tail and nervously opening and shutting its wings exactly as a Meadowlark would do under similar conditions. In several groves that we passed through crows sat in the tops of the trees watching us silently as though they had nests near and several fresh nests were seen. One old nest was located in a plum thicket about twenty feet square which stood out alone on a draw on a hill. The nest was only ten or twelve feet from the ground. The specimen taken was about the smallest one I ever saw. The feathers on the back showed traces of brown. On the feathers of the eyelids were small eggs of some insect. Most of them had hatched. Whenever a hawk had eaten a rabbit the crows had come down and picked over the remains thoroughly. One was seen eating something which it held in its feet but what it was I could not tell. One Northwest of Lawrence is a locality which seems to produce a white or grey Crow every year. There is one specimen in the Museum which was taken out there and others have been reported.

In a hollow on the north slope of the hills was a protected place among some bushes and here Hanna shot a Mockingbird. He mistook it for a Thrush at first. It flew from one clump to another and then skulked among the bushes. It had evidently wintered here as the plumage was worn and stained and the tail feathers were just being renewed. They are reported as very rare in the summer here but there appears to be no other winter record. Probably the mildness of the past winter would account for it.

In one large grassy marsh four short-eared Owls were seen. We were beating along through the long

grass and they got up two at a time. I got one and hit another slightly and Hackman got one. The other two escaped however. The flight was strong, easy and quite swift. The wings were very long and came below the line of the body at each stroke giving them a noticeably appearance and by this means they could be distinguished from Hawks at a distance. The last two lit in the tops of some small trees where the crows bothered them. After a few minutes one sailed and beat across the marsh and lit. The other mounted into the air mounting higher and higher until at last it got so high that we could scarcely see it. Here it sailed around in circles like a Red tail for ten minutes with scarcely a beat of its wings. Then it descended lower on a long slant three quarters of a mile long, sailing with set wings directly against the wind and finally coming to earth down near the Wakarusa. Later in the day another was seen beating over this same marsh high in the air. It was not very cloudy at either time. I have read of their doing this but never saw it before. The stomachs of both specimens were empty but they were extremely fat.

On this marsh were about twenty Flickers spread out and feeding in the tall grass. They were about evenly divided between *C. a. luteus* and *C. c. collaris*. They were so wild that we could get no shots. When frightened they generally flew a short distance and lit in a bush.

Two small flocks of Lapland Longspurs were seen in the plowed field. They were actively about and were not very wild. In being so restless they were quite different from those taken at Independence, Kansas but this was

probably because of the snow on the ground. The two taken were females. The flocks were accompanied by considerable numbers of Horned Larks. They feed entirely among the broken clods of the plowed fields.

Shot one female Horned Lark that was as bright as a male. It is perhaps another sub-species than *O. a. pratensis* but I did not attempt to work it out. They are in pairs in some cases now.

Hanna shot one Savanna Sparrow and I am sure I saw a single Ferruginous Rough legged Hawk. It sat in the top of a bush until we were quite close and then flew. It looked as large as an eagle and with its reddish back and white underparts could not be mistaken. It drove a Marsh Hawk out of a bush and then flying into the air began to soar.

March 22, Tuesday.

Sunday morning it snowed and during the day about six inches of snow fell. During the afternoon the flakes were especially thick and this is one of the heaviest storms that has occurred here.

During that afternoon I observed two Cedar Waxwings on a sidehill. They were eating the buck berries and did not seem at all depressed by the storm but rather seemed to enjoy it. They flew about balancing on the slender stems with raised crests and not seeming at all afraid. There cannot be much nourishment in those berries and all birds except the seed eaters will have a hard time for a few days. Today however the ground is bare in places and the snow is melting rapidly.

In the Museum we have a captive Franklin's Spermophile. This animal was formerly common in this vicinity but Prof. Hyslop says that this is the first one he has seen in ten years. Nearly all the arable land here is under cultivation.

and this may have caused its extinction. There can be no other as the animals live in burrows in the ground and is therefore protected from most of its enemies. This one was found about three feet underground by some negroes who were excavating on the University grounds. It was hibernating and was very dull and sleepy when first brought in. When touched it made scarcely an effort to get away and when released again immediately closed its eyes. I saw Adams and I moved it into a colder room and that night it appeared to wake up for it escaped and was not found until afternoon when I caught it running around in the shop. It struggled strongly to get away but made no effort to bite. At first glance it appears somewhat like a grey squirrel but is smaller and has a shorter less bushy tail. It is probably about nine inches long exclusive of the tail which would make at least five more. It is more olive than grey squirrel and has darker underparts. When viewed closely the hair has a peculiar spotted appearance. The fur is soft and rather short. The claws are long and strong and fitted for digging. The animal climbs readily up the wire sides of its cage hanging there occasionally for long periods. It is rather wild and remains hidden in the nest most of the time. Once when my hand was near its head it gave a low curious grunt as though angry. At other times it gives a low shrill whistle somewhat like that of Wisconsin gophers but clearer and more musical. It eats corn readily and moves around quite a bit when no one is near.

March 29, Thursday.

1582. *Pipilo erythrophthalmus*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris red. bill dull black. tarsus brown. Length 217 wing 91 tail 97 ♂ ad stomach contents seeds.
1583. *Cardinalis cardinalis*. A. Wetmore. Washington Creek Southwest of Lawrence, Kansas, iris dull brown. bill red tarsus brown. Length 221 wing 97 tail 103 ♂ ad stomach contents seeds.
1584. *Junco hyemalis*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill pinkish white tip and nostrils slightly dusky. Length 148 wing 79 tail 65 tarsus brown ♂ ad stomach contents seeds.
1585. *Junco hyemalis*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill pinkish white tip and nostrils slightly dusky. tarsus brown. Length 155 wing 80 tail 67 ♂ ad stomach contents seeds.
1586. *Melospiza cinerea melodia*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. base of mandible buffy. rest and maxillary tomia greenish slate. rest of maxilla horn. tarsus pale brown. Length 164 wing 72 tail 71 ♀ ad stomach contents seeds.
1587. *Melospiza cinerea melodia*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. base of mandible buff. rest of mandible + maxillary tomia greenish slate. rest of maxilla horn. tarsus pale brown. Length 157 wing 69 tail 68 ♂ ad stomach contents seeds.
1588. *Spizella monticola*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible dark brown. base of mandible yellow. tarsus brown. Length 154 wing 74 tail 66 ♂ ad stomach contents seeds.
1589. *Spizella monticola*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible brown brownish black. base of mandible yellow. tarsus dark brown. Length 150 wing 71 tail 65 ♀ ad stomach contents seeds.
1590. *Spizella monticola*. A. Wetmore. Washington Creek

southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible brownish black. base of mandible yellow. tarsus dark brown. Length 148 wing 71 tail 65 ♀ ad stomach contents seeds.

1591. *Spizella monticola*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible brownish black. base of mandible yellow. tarsus dark brown. Length 145 wing 71 tail 65 ♀ ad stomach contents seeds.

1592. *Spizella monticola*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible dull black. base of mandible yellow. tarsus dark brown. Length 147 wing 71.5 tail 65 ♀ ad stomach contents seeds.

This ~~afternoon~~ morning Mr. Lee drove me out to Washington Creek. The mud was terrible and it was noon before we got there. Part of the afternoon was spent in fixing up camp. There was an old house there having two rooms and it was soon established. The house stood in a draw running back into the hills and faced a level field. On all the other sides were hills covered with trees and brush. A small brook ran past the door affording good water. The country to the south is rather hilly and broken while in the other directions it is level. The house was about nine miles from Lawrence almost directly southwest. To the west were Hasty and Washington Creeks and the Wakarusa river was a little over ^{two} miles north.

This is the first warm day we ~~had~~ ^{have} had for some time and this afternoon it was really warm. Flies and other insects were out and I saw one honeybee. Spiders are abundant. The frogs have been out since a heavy rain two days ago and are now calling continually. The grass is getting green also and I think the frost is almost entirely out of the ground.

In the afternoon I followed up one of the draws for a few birds. Tree sparrows were numerous and strangely enough they seem to be the eastern species. Those taken here on the last visit were all western. In those taken today the color of the crown showed plainly from the wearing away

1/2 0/2 1/2 1/2

of the tips of the feathers. They were found skulking along on the ground and also in bushy places. Sometimes they were loth to leave shelter but again would start out and fly long distances.

Song Sparrows were quite common. They skulked along in the bush running rapidly from one cover to another. Late in the afternoon they were feeding in the long grass just outside the bush in which they took refuge when startled. They sang quite a good deal.

Chimneys were common along the side hills and sat quietly singing in the bush. The song was very pleasing being the same as that of Wisconsin specimens. whink burr pil-a-wil-a lee-e-e-e. When on the ground they kept in the thickest bush and were very hard to find. I could only locate them by the scratching sound they made in the leaves.

During the evening a Screech Owl was heard several times.

The toads began to call after dark and one trilled at short intervals from the branch until ten o'clock.

March 30, Friday.

1593. *Astragalinus tristis*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill horn. base all around slightly buffy. tarsus dark brown. Length 125 wing 72 tail 48 ♂ stomach contents elm seeds

1594. *Passerella iliaca*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible dull brown. rest of bill buffy white. tarsus light brown. Length 170 wing 84 tail 65 ♀ stomach contents seeds

1595. *Passerella iliaca*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible brown. basal of half of culmen brown. base of mandible yellow. rest of mandible and maxilla brown. tarsus brown. Length 180 wing 89 tail 75 ♂ stomach contents seeds

1596. *Zonotrichia querula*. A. Wetmore. Hasty Creek southwest of Lawrence, Kansas, iris brown. bill pale dull cinnamon. tarsus brown. Length 182 wing 88 ♂ stomach contents seeds

1597. *Pipilo erythrophthalmus*. A. Wetmore. Hasty Creek southwest of Lawrence, Kansas, iris red. bill black. tarsus brown. Length 195 wing 90 tail 99 ♂ stomach contents seeds.

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1598. *Oryzopsis pubescens medianus*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill black. base of mandible dull slate. tarsus dull greenish slate. Length 166 wing 92 tail 52. ♂ ad stomach contents. seeds

1599. *Junco hyemalis*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill pale pinkish white. tips and nostrils dusky. tarsus brown. Length 151 wing 76 tail 67 ♂ ad stomach contents. seeds

1600. *Sayornis phoebe*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dark brown. bill black. tarsus black. Length 174 wing 84 tail 70 ♂ ad stomach contents insects

1601. *Melospiza cinerea melodia*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla dusky. base of mandible dull orange buff. rest of mandible pale slate. tarsus pale brown. Length 168 wing 71 tail 73 ♂ ad stomach contents seeds

1602. *Junco hyemalis*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill pale pinkish white. tips and nostrils dusky. tarsus brown. Length 155 wing 77 tail 68 ♂ ad stomach contents seeds

1603. *Parus atricapillus*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill black. tarsus slate. Length 129 wing 63 tail 58 ♂ ad stomach contents insects

1604. *Asio wilsonianus*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris yellow. bill black. inside of toes dirty white. Length 370 wing 304 tail 138 ♂ ad stomach contents short-tailed voles

1605. *Asio wilsonianus*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris yellow. bill dull black. inside of toes dirty white. Length 343 wing 285 tail 145 ♂ ad stomach contents short-tailed voles

1606. *Asio wilsonianus*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris yellow. bill black. inside of toes dirty white. Length 339 wing 291 tail 151 ♂ ad stomach contents short-tailed voles

1607. *Asio wilsonianus*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris yellow. bill black. inside of toes dirty white. Length 334 wing 305 tail 140 ♂ ad stomach contents. short-tailed voles.

85. *Asio wilsonianus*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas. nest twenty feet from ground in Black oak. made of twigs and bark. lined with bark and feathers. eggs 6 ♀ taken no 1604.

86. *Corvus brachyrhynchos*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, nest thirty five feet from ground in Black oak. made of twigs leaves and bark lined with fine bark eggs 1 fresh ♀ seen.

This morning and all day it was warm enough though a strong north wind blew all day.

Did not get up very early and after breakfast went up the draw north. Shot a single American Goldfinch in an elm tree. The bird was busily picking the buds off and eating. The throat was literally crammed with the food. Later a small flock was encountered along Hasty Creek. They sang merrily and in chorus from the trees.

Saw an Owl fly out of a tree and going over there scared out five Long-eared Owls. Three were shot. They appeared immense on the wing and I thought they were Horned Owls at first. All went up into a little bushy place in a ravine. They had been sitting in a clump of grapevines. Saw what appeared to be a Crow's nest a few rods farther on and climbed up to it. When just below it I looked up and saw an Owl's tail sticking over the edge. I climbed carefully and was about to grasp her when she suddenly raised her head, looked around and flew to the next tree. Here she sat with feathers standing on end turning quickly just one way and then another at the same time snapping her bill loudly. Then she began to slide along the limb with one wing hanging down as though wounded and stared every way to draw my attention. The male also came flying up but contented himself with simply ruffling his feathers and snapping his bill. The nest was in a small tree which though it stood among others was visible for some distance. It looked like an old Crow's nest. The lining was mixed with many feathers of various small birds. The six eggs were white although stained and nearly round. One of the Owls was lighter than the other.

Along the hill to the southwest were great numbers of Sparrows. The Fox Sparrows were very secretive. I found them in among the thick plum brush gathered into little companies. Some of these were perched in the bushes singing while others were feeding on the ground. Here it was almost impossible to see them because of their stealthy movements.

Along Hasty Creek where it was so narrow I could nearly step across I scared up about a dozen Mallard. They were strung out so that I only got one shot and that at too far a distance. They went off to the north and I think lit along one of the Creeks again. One gave a low quack just before flying thus alarming the others.

The Crows are just beginning to nest. Climbed up to several nests which were just finished and took a single egg from one. The Crows became agitated the moment I enter the woods and sat around in little groups cawing at me. I could see them leaving their nests although they were empty. It is probably the same instinct that makes them sit on the nest before the eggs are laid that makes the hen "broody". About dark other crows came flying in from the bottoms where they had been feeding. Those around the house were flying around all day sometimes low down and sometimes high describing graceful circles probably for the edification of their mates.

There is a single Red-shafted Flicker around. I have heard it several times and this morning saw. It was feeding the ground and flew up exactly like the Yellow-shafted and lit in a tree I stalked it carefully behind an oak but it flew in some way without my seeing it. The note is slightly different from that of the Yellow-shafted as I have remarked before.

A single Turkey Vulture was around all day. Every time I appeared he came flying inquisitively over with head bent down to watch me. I shot once at him and he went off badly frightened. It is more graceful than a Redtail on the wing.

There are a number of Red-tailed Hawks around and there must be a nest near. They are in sight almost constantly. Saw one, apparently ~~a~~ male from ~~its~~ small size, go through a graceful exercise. It was sailing against the wind when it suddenly closed its wings and went off at a slant only to catch itself and rise again to repeat the performance. This was done many times and was varied by dropping straight down into the trees. In the forenoon I had shot a rabbit and about dark they descended it. One swooped down to it and immediately three others came and first one would light until another soared toward it and then it would fly while the other lit. They screamed at each other a good deal.

There are a number of Fox and a few Grey squirrels around the house and some of them stay in the roof. I am convinced from what I have seen here and from some observations made at Independence Kansas that these animals are partly nocturnal in their habits or at least that they come out a great deal in the early evening. These around here start to come out about six and I have heard them barking when it was quite dark out. The Fox squirrels appear to predominate in number all through this country. ~~with~~ In town I have only seen one or two Grey squirrels.

The hills around here are composed of lime stone with occasional traces of shale. The hills are very stony and show both rough stones and rounded pebbles. The higher ground is practically worthless except for pasture, but the lowlands are extremely fertile producing large crops of corn and wheat. The hills have a peculiar appearance both rounded and at the same time flat which marks them. The sides are very stony but most of the outcroppings have covered by detritus.

An old German at whose house I bought some eggs asked honest straight-forward questions in broken language until he had learned all about me and my intentions.

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March 31, Saturday

1608. *Oryzopsis phoeniceus*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 237 wing 125 tail 92. Bad stomach contents seeds.
1609. *Zonotrichia querula*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill pale dull cinnamon. tarsus brown. Length 181 wing 84 tail 74. Pin. Stomach contents seeds.
1610. *Molothrus ater*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill black. tarsus brown. Length 192 wing 110 tail 71. Bad stomach contents seeds.
1611. *Junco hyemalis*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill pinkish white. tip and nostrils dusky. tarsus brown. Length 151 wing 78 tail 64. Bad stomach contents seeds.
1612. *Spizella monticola*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible horn. base of mandible yellow. base of culmen dull buff. tarsus brown. Length 139 wing 68 tail 60. Bad stomach contents seeds.
1613. *Spizella monticola*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible horn. base of mandible dull yellow. tarsus dull brown. Length 143 wing 69 tail 64. Bad stomach contents seeds.
1614. *Melospiza cinerea melodia*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla horn. base of gonys dull buff. rest of mandible and maxillary tomia pale slate. tarsus pale brown. Length 161 wing 69 tail 67. Bad stomach contents seeds.
1615. *Melospiza cinerea melodia*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. maxilla blackish brown. base of gonys slightly buff. rest of mandible and maxillary tomia pale slate. tarsus very pale brown. Length 155 wing 64 tail 70. Bad stomach contents seeds.
1616. *Penstemon atricapillus*. A. Wetmore. Washington Creek

Southwest of Lawrence, Kansas, iris brown. bill black
 commissure finely slate near base. tarsus dark slate. Length 13
 wing 65 tail 61.5 Fed Stomach contents insects

1617. *Spizella pusilla*. A. Wetmore. Washington Creek southwest
 of Lawrence, Kansas, iris brown. bill cinnamon brown.
 Tarsus light brown. Length 140 wing 65 tail 64 Fed stomach
 contents. seeds.

1618. *Zonotrichia querula*. A. Wetmore. Washington Creek southwest
 of Lawrence, Kansas, iris brown. bill pale dull cinnamon tarsus
 pale cinnamon brown. Length 185 wing 88 tail 85 Fin Stomach
 contents seeds.

1619. *Zonotrichia querula*. A. Wetmore. Washington Creek southwest
 of Lawrence, Kansas, iris brown. bill pale dull cinnamon tarsus
 brown. Length 184 wing 94 tail 82 Fed Stomach contents seeds.

This morning I got up about 6:15. Crows cawing
 awakened. I travelled around the hills quite a bit today
 and was surprised at the number of Crows' nest. I must
 have seen twenty or twenty-five all of them just finished.
 They seem to be just about to lay. The nests all bear
 a great similarity to each other. All are made of coarse
 twigs and lined with bits of bark and other soft
 material. All day long, at intervals large straggling
 flocks of Crows could be seen flying over going due
 north. I have ~~no~~ idea that they were migrating
 as they did not return at night fall.

Heard several Golden-crowned Kinglets this morning
 but did not catch sight of any of them. They appeared
 to be moving rapidly through the trees.

Song Sparrows were abundant in a marsh
 which I visited and in fact were common everywhere.
 They were singing some but not as much as in the
 north. One that I skinned today I was positive was
 M. c. gouldi, Bishop, but did not name it as such as I
 wanted to compare it just. It was much paler and
 greyer all around. It flew up to a fence post and
 sat there quietly until I shot it. It was with others
 which were darker colored.

A few Cowbirds, males, were seen flying around
 singly. They appear to have a different note than any

I have heard yet. Every new place that I collect these birds have different call notes. The one that I shot came flying over and circled around to light in the top of a tree.

The main body of the Robins appears to have gone north. Only a few straggling ones were noticed today and these are the only ones that I have seen out here. Of course in town they are common enough as they are nesting there.

Also saw a single Purple Finch. It sat in the top of a tree singing but flew before I could get a shot.

Saw two Marsh Hawks today, male and female and have no doubt that they will be nesting around here soon.

Scared six Mallard from a little pond among the trees where I expected nothing at all. They got up behind some bushes and I could not see them. In the afternoon three others flew over high up.

A Screech Owl was in the barn again but I scared it out before I saw it. Several fresh pellets of mouse hair lay below where it was sitting.

It was very warm today with no wind at all. Rev. Adams and Charlie Bunker came out about noon and stayed until after dinner.

Saw two Le Conte Sparrows in the marsh but could not get a shot. They always escape me by flying into the grass where the water was over my rubber.

Along the tops of the hills here the outcrops of stone shows usually from two to four feet high. Bunker said that the Turkey Buzzards nested in little hollows at the foot of these outcrops. There are pieces of flint to be found here in some places amongst the limestone. The limestone contains many fusilina and some Crinoids.

March, Birdlist.

American Goldfinch	Green-winged Teal
English Sparrow	Ring-necked Duck
Bluejay	Canada Goose
Chickadee	Ferruginous Rough-legged Hawk
Red-bellied Woodpecker	Lapland Longspur
Hairy Woodpecker	Savanna Sparrow
Crow	Mockingbird
Tufted Titmouse	Lesser Scaup Duck
Flicker	Pintail
Cardinal	White-rumped Shrike
Downy Woodpecker	Northon Shrike
Junco	Pigeon Hawk
Purple Finch	Bronzed Grackle
Tree Sparrow	Red-head Duck
Western Tree Sparrow	Killdeer
Red-tailed Hawk	Herring Gull
Song Sparrow	Bluffhead
White-breasted Nuthatch	Hutchin Goose
Marsh Hawk	Shoveller
Bluebird	Turkey Vulture
Brown Creeper	American Sparrowhawk
American Rough-legged Hawk	White-throated Sparrow
Robin	Cowbird
Prairie Horned Lark	American Pipit
Red-shafted Flicker	Golden-crowned Kinglet
Sharp-shinned Hawk	64. Swamp Sparrow
Cooper Hawk	65. Golden-crowned Kinglet
Harris Sparrow	
Carolina Wren	
Seruch Owl	
Short-eared Owl	
Cedar Waxwing	
Gambel Sparrow	
White-crowned Sparrow	
Mallard	
Red-winged Blackbird	
Meadowlark	
Fox Sparrow	

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April 1, Sunday.

1620. *Regulus calendula*. A. Wetmore. Hasty Creek, Southwest of Lawrence, Kansas, iris brown. bill dark brown. tarsus dark brown. Length 113 wing 57.5 tail 42 ♂ ad stomach contents insects
1621. *Pensthesia atricapillus*. A. Wetmore. Hasty Creek, Southwest of Lawrence, Kansas, iris brown. bill black. tarsus bluish slate. Length 132 wing 64.5 tail 61 ♀ ad stomach contents insects
1622. *Spizella pusilla*. A. Wetmore. Hasty Creek, Southwest of Lawrence, Kansas, iris brown. bill pale cinnamon. tarsus light brown. Length 147 wing 68 tail 67 ♂ ad stomach contents insects
1623. *Melospiza cinerea melodia*. A. Wetmore. Hasty Creek, Southwest of Lawrence, Kansas, iris brown. maxilla blackish brown. base of mandible dull buff. rest of mandible and maxillary tomia pale slate. tarsus light brown. Length 155 wing 67 tail 65 ♀ ad stomach contents seeds
1624. *Junco hyemalis*. A. Wetmore. Hasty Creek, Southwest of Lawrence, Kansas, iris brown. bill pinkish white. nostrils and tip of bill dusky. tarsus brown. Length 159 wing 78 tail 68 ♂ ad stomach contents seeds.
1625. *Junco montanus*. A. Wetmore. Hasty Creek southwest of Lawrence, Kansas, iris brown. bill pinkish white. nostrils and tip dusky. tarsus brown. Length 15 wing 76 tail 67 ♂ ad stomach contents seeds.
1626. *Carpodacus purpureus*. A. Wetmore. Hasty Creek Southwest of Lawrence, Kansas, iris brown. bill pale olive. Mandible paler. Gape tinged with yellow. tarsus brown. Length 152 wing 79 tail 56 ♀ ad stomach contents seeds
1627. *Pipilo erythrophthalmus*. A. Wetmore. Hasty Creek, Southwest of Lawrence, Kansas, iris red. bill black. tarsus brown. Length 200 wing 82 tail 89 ♂ ad stomach contents seeds
1628. *Sayornis phoebe*. A. Wetmore. Washington Creek, Southwest of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 165 wing 78 tail 71 ♀ ad stomach contents insects
1629. *Dryobates pubescens medianus*. A. Wetmore. Washington Creek, Southwest of Lawrence, Kansas, iris brown. bill dull black. base of mandible whitish. tarsus dull drab. Length 162 wing 94 tail 51 ♀ ad stomach contents insects
1630. *Sayornis phoebe*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 171

wing 86 tail 70 Fed. Stomach contents insects

This morning it was cloudy but towards noon cleared up and became warmer. Spent most of the forenoon along the hill to the south. It was covered with patches of plum bush in which were quite a few birds. Field Sparrows were quite numerous and were in full song. They were not especially wild but I frightened them in getting through the bush and they usually flew rather long distances. In singing they sat in plain sight in the top of a bush but were so small and inconspicuous as to be easily overlooked. In feeding they kept near the ground and slipped slyly along.

There was also a single Ruby-crowned Kinglet on this hill and after some time I secured it. It was singing but kept down in the bush and made such long flights that for a long time I could not get near it.

There were quite a number of juncos along the hill and I secured two. One dark one I referred to *J. montanus*. These two are quite different from the others taken at this camp in being much darker.

Saw two Purple Finches along the hill and secured one of them.

April 2, Monday.

1631. *Parus atricapillus*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill black. tarsus very dark slate. Length 131 wing 64 tail 62 Fed. stomach contents insects.

1632 *Junco hyemalis*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill pale reddish horn. tip dusky. tarsus brown. Length 156 wing 77 tail 63 Fed. stomach contents seeds.

1633. *Spizella pusilla*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill pale cinnamon brown. tarsus brown. Length 145 wing 70 tail 71 Fed. stomach contents seeds.

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1634. *Dryobates pubescens medianus*. A. Wetmore, Wash-
ington Creek southwest of Lawrence, Kansas, iris brown.
bill dull black. base of mandible horn. tarsus blackish
slate. Length 164 wing 94 tail 64 ♀ ad. stomach contents
insects.

1635. *Sayornis phoebe*. A. Wetmore. Washington Creek
southwest of Lawrence, Kansas, iris brown. bill black
tarsus black. Length 172 wing 84 tail 68 ♀ ad. stomach
contents insects.

1636. *Sayornis phoebe*. A. Wetmore. Washington Creek
southwest of Lawrence, Kansas, iris brown. bill black tarsus
black. Length 172 wing 88 tail 75 ♀ ad. stomach contents
insects.

This morning I broke camp but stayed
a while to collect before leaving. It was the
warmest day we have had yet. In the hillsides
the elms were beginning to bloom and I
found a single asclepias bugle. The papaws grow
here in the draws. They are not very large and
have a smooth grey bark. the wood is brittle
and has a dark heart.

The male Phoebe around camp has
secured three new mates in the last two days
as I have been collecting them and now he has
another. Two of the females have flown in at
the window and were taken as they beat
against the glass. Only the male appears to
call phoe-be. The female gives a simple tsip.
In the early morning and at night the male
starts out calling ts'er ts'er excitedly and
flying battik twisting first to one side and then
the other through the trees. Finally he mounts
near straight up in the air for twenty or
thirty feet calling phoebe with great rapidity.
Then he drops back and becomes a prosaic
flycatcher again.

There has been a single Red-shafted flicker
around camp all the while I have been here. It
has notes which resemble all those of the

Common Flicker but are enough different as to be easily recognized. He flies around long distances at a time and usually takes an exposed perch in a tree. Before I can get within anywhere near shooting distance he is gone however.

When I was home there were great flocks of Crows in the fields. Strangely enough they were flying up in the air and catching insects on the wing. I could have shot them easily from the buggy as they were very tame.

Sandhill Cranes were flying north today. And several times their calls were heard although usually the birds were too high up to be seen.

April 7, Saturday.

1637 *Archibuteo lagopus sanctijohannis*. Parrish Southwest of Lawrence, Kansas ♂ ad. other data lost.

1638 *Colaptes auratus luteus*. L. J. Dyche. Lawrence Kansas. ♂ ad. other data lost.

April 14, Saturday

1639. *Pochilymbus pochrifus*. G. Weir Miller, Kaw River north of Lawrence, Kansas, iris brown. maxilla pale slate. mandible pale buffy brown. ring around bill at nostril black. tarsus dark greenish slate. webs darker. Length 309 wing 124 tail 38 ♀ ad stomach contents feathers.

1640. *Fulica americana*. G. Weir Miller. Kaw River north of Lawrence, Kansas, iris reddish brown. bill milky white tinged with slate anteriorly. frontal shield and spot on both maxilla and mandible dark chestnut. anterior portion of frontal shield and basal point greenish yellow. tarsus bright greenish yellow. joints dusky. Length 372 wing 202 tail 52 ♂ ad stomach contents seeds.

1641. *Sialia sialis*. G. Weir Miller. Kaw River north of Lawrence, Kansas, iris dark chestnut. bill black gape yellow. tarsus black Length 162 wing 101

- tail 64 ♀ ad stomach contents insects.
1642. *Stelgidopteryx serripennis*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 128 wing 109 tail 48 ♂ ad stomach contents insects.
1643. *Dendroica coronata*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 140 wing 70 tail 53 ♀ ad stomach contents insects.
1644. *Regulus calendula*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. bill brown. tarsus very dark brown. Length 108 wing 61 tail 42 ♂ ad stomach contents insects.
1645. *Regulus calendula*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. bill brownish black. tarsus same. Length 109 wing 58 tail 43 ♂ ad stomach contents insects.
1646. *Regulus calendula*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. bill brownish black. tarsus same. Length 110 wing 58 tail 42 ♂ ad stomach contents insects.
1647. *Fulica americana*. J. J. Dwyer. Lake View near Lawrence, Kansas, iris reddish brown. bill milky white. spot on maxilla and mandible near tip and frontal plate dark chestnut. tarsus yellowish green. joints dusky. Length 385 wing 199 tail 45 ♂ ad stomach contents seeds.
- 1647½. *Panolinus halictus carolinensis*. C. A. Krich. Kaw River north of Lawrence, Kansas, iris yellow. bill black. base of mandible slate. tarsus pale livid slate. Length 577 wing 487 tail 207 ♂ ad stomach contents fish.

April 4, Wednesday

(omitted by mistake)

11. ♂ ad. taken by H. J. Martin. Lawrence, Kansas. Length 183 tail 29 hind foot 22.

The wood duck following was brought in to be mounted.

Rix Skonsa. iris orange brown. nail, mandible

and chin space in front of nail black, bare ante-orbital space joining to bill orange shading to dull rose red at point even with nostril. rest of maxillary tibia livid flesh color becoming blue at nail. tarsus dull orange. webs dusky. Length 444 wing 225 tail 102 ♂ ad stomach contents seeds.

April 21, Saturday.

1648. *Cardinalis cardinalis*. H. E. Fowler. Kaw River north of Lawrence, Kansas, iris brown. bill light red. tarsus brown. Length 220 wing 94 tail 103 ♀ ad. stomach contents green worms.

1649. *Cardinalis cardinalis*. H. E. Fowler. Kaw River north of Lawrence, Kansas, iris brown. bill light red. tarsus brown. Length 222 wing 97 tail 110 ♂ ad. stomach contents seeds.

1650. *Dryobates villosus* H. E. Fowler. Kaw River north of Lawrence, Kansas, iris reddish brown. bill dull black. base of mandible pale. tarsus dull slate. Length 235 wing 122 tail 70 ♂ ad stomach contents insects.

1651. *Penthestes atricapillus*. H. E. Fowler. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus dark slate. Length 131 wing 67 tail 62 ♂ ad stomach contents insects.

April 27, Friday.

12 ♀ ad. Bill Frye Lawrence, Kansas
Length 155 tail 37 hind foot 20

13 ♂ yg. Bill Frye Lawrence, Kansas
Length 76 tail 16 hind foot 13

14 ♂ yg. Bill Frye Lawrence, Kansas
Length 76 tail 16 hind foot 12.5.

1652. April 28 Saturday Sunday.

1652. *Sterna Forsteri*. J. J. Hlyche. Lake view near Lawrence, Kansas, iris brown. bill orange red. tip black. tarsus orange red. Length 408 wing 271 tail 177 ♂ ad stomach contents fish.

April Birdlist

American Goldfinch
 English Sparrow
 Bluejay
 Chickadee
 Red-bellied Woodpecker
 Hairy Woodpecker
 Crow
 Tufted Titmouse
 Flicker
 Cardinal
 Downy Woodpecker
 Junco
 Purple Finch
 Tree Sparrow
 Red-tailed Hawk
 Song Sparrow
 White-breasted Nuthatch
 Marsh Hawk
 Bluebird
 Brown Creeper
 American Rough-legged Hawk
 Robin
 Prairie Horned Lark
 Red-shafted Flicker
 Cooper Hawk
 Harris Sparrow
 Carolina Wren
 Screech Owl
 Gambel Sparrow
 White-crowned Sparrow
 Mallard
 Red-winged Blackbird
 Meadowlark
 Fox Sparrow
 Bronzed Grackle
 Killdeer
 Turkey Vulture
 Cooper Hawk

American Sparrowhawk
 White-throated Sparrow
 Ruby-crowned Kinglet
 Golden-crowned Kinglet
 Sandhill Crane
 American Coot
 Green-winged Teal
 Savanna Sparrow
 Pigeon Hawk
 Mourning Dove
 Wilson Snipe
 Chipping Sparrow
 Western House Wren
 Wood Thrush
 White Pelican
 Osprey
 Red-billed Grebe
 Rough-winged Swallow
 Myrtle Warbler
 Woodcock
 Grasshopper Sparrow
 Henslow Sparrow
 vesper Sparrow
 Olive-backed Thrush
 Orchard Oriole
 Clay-colored Sparrow
 Black-crowned Night Heron
 Black and White Warbler
 Yellow Warbler
 Kingfisher
 Brown Thrasher
 Ring-billed Gull
 Wood Duck
 Blue gray Gnatcatcher
 Lesser Scaup Duck
 74 White-rumped Shrike

for 1653 see below on this page

1

Data on stomach contents
lost.

→ 1653

May 1, Tuesday

1654. *Zonotrichia leucophrys*. H. E. Fowler, Kaw River north of Lawrence, Kansas, iris brown. bill dull brown. tip darker. tarsus brown. Length 173 wing 77 tail 70 ♂ ad Stomach contents —

1655. *Zonotrichia albicollis*. H. E. Fowler, Kaw River north of Lawrence, Kansas, iris brown. maxilla dusky mandible dull slate. gape tinged with yellow. tarsus pale brown. Length 165 wing 69 tail 67 ♀ ad Stomach contents —

1653 *Gavia imber*. Taken at McPherson, Kansas. May 1905 preserved in 70% liquor & made up May 1, 1906. no further data. given by J. J. Hye

1656. *Pipilo erythrophthalmus*. H. E. Fowler, Kaw River north of Lawrence, Kansas, iris reddish brown. bill black. tarsus dark brown. Length 210 wing 93 tail 96 ♂ ad Stomach contents —

1657. *Geothlypis trichas*. H. E. Fowler, Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus light brown. Length 133 wing 57 tail 52 ♂ ad Stomach contents —

1658. *Asteria vires*. H. E. Fowler, Kaw River north of Lawrence, Kansas, iris brown. bill black. ramus dark slate. tarsus dusky. Length 178 wing 78 tail 73 ♂ ad Stomach contents —

1659. *Setophaga ruticilla*. H. E. Fowler, Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 125 wing 64 tail 53 ♂ ad Stomach contents —

1660. *Dendroica aestiva*. H. E. Fowler, Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus pale brown. Length 125 wing 64 tail 45 ♂ ad Stomach contents —

1661. *Dendroica aestiva*. H. E. Fowler, Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus pale yellowish brown. Length 125 wing 63 tail 43 ♂ ad Stomach contents —

1662. *Toxostoma rufum*. H. E. Fowler, Kaw River north of Lawrence, Kansas, iris orange yellow. bill black. base horn. tarsus brown. Length 287

wing 102 tail 128 ♀ ad. Stomach contents
 1663. *Dryobates pubescens mechanus*. H. E. Fowler, Kaw
 River north of Lawrence, Kansas, iris brown. bill
 black. tarsus dull drab Length 163 wing 92 tail 56
 ♀ ad Stomach contents

1664. *Tyrannus tyrannus*. H. E. Fowler, Kaw River north
 of Lawrence, Kansas, iris brown. bill black. tarsus
 black. Length 219 wing 123 tail 90 ♂ ad. Stomach
 contents

1665. *Molothrus ater*. H. E. Fowler, Kaw River north of
 Lawrence, Kansas, iris brown. bill black. tarsus black.
 Length 200 wing 108 tail 76 ♂ ad. Stomach contents

1666. *Botaurus lentiginosus*. H. J. Martin, Haskell
 bottoms, Lawrence, Kansas, ♂ ad. Stomach contents
 small snake. other data lost.

May 5, Saturday

1667. *Melospiza lincolni*. A. Wetmore. Kaw River north
 of Lawrence, Kansas, iris brown. maxilla dusky base
 of gonys dull orange buff rest pale greenish slt.
 tarsus pale brown. Length 148 wing 64 tail 55 ♂ ad
 Stomach contents seeds.

1668. *Chondestes grammacus*. A. Wetmore. Kaw River
 north of Lawrence, Kansas, iris brown. Maxilla dusky
 brown. base of gonys pale buff. rest of mandible
 pale slate tarsus brown. Length 171 wing 90 tail 70
 ♂ ad Stomach contents seeds

1669. *Chondestes grammacus*. A. Wetmore. Kaw River N. Lawrence, Ks.
 iris brown. Maxilla
 blackish brown. base of gonys dull buff. rest of
 bill pale slate tarsus brown. Length 164 wing 87
 tail 65 ♂ ad Stomach contents seeds

1670. *Chondestes grammacus*. A. Wetmore. Kaw
 River north of Lawrence, Kansas, iris brown. maxilla
 dusky. base of gonys pale buff. rest of bill pale slate.
 tarsus brown. Length 165 wing 87 tail 64 ♂ ad Stomach
 contents seeds

1671. *Prothonotaria citrea*. A. Wetmore. Kaw River north
 of Lawrence, Kansas, iris brown. bill black. tarsus

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brownish slate Length 146 wing 74 tail 49 ♂ ad stomach contents insects

1672. *Asteria viridis*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. bill black. ramus bluish slate. tarsus dark dusky brown. Length 183 wing 79 tail 78. ♂ ad stomach contents insects

1673. *Pyranospiza cyanea*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. maxilla and gonys black. mandible brown shading to yellow on ramus. tarsus very dark brown Length 138 wing 68 tail 55 ♂ ad stomach contents insects

1674. *Dendroica aestiva*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. maxilla black. mandible very dark slate. tarsus buffy brown. Length 127 wing 66 tail 44. ♂ ad. stom. con. insects

1675. *Dendroica aestiva*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. maxilla black. mandible dark slate. tarsus yellowish brown. Length 126 wing 63 tail 44 ♂ ad stomach contents insects

1676. *Troglodytes aedon aztecus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla black. tip of mandible dusky, rest dull flesh color. tarsus isabella brown. Length 123 wing 52 tail 41 ♂ ad stomach contents insects

1677. *Troglodytes aedon aztecus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla black. tip of mandible slate. rest dull flesh color. tarsus isabella brown. Length 120 wing 54 tail 40 ♂ ad stomach contents insects

1678. *Geothlypis trichas*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus pale brown. Length 125 wing 52 tail 49 ♂ ad stomach contents insects

1679. *Vireo bellii*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla dull brown. mandible horn. tarsus dull bluish slate Length 122 wing 58 tail 47 ♂ ad insects.

1680. *Empidonax traillii albonus*. A. Wetmore. Kaw

Bad stom. con insects →

River north of Lawrence, Kansas. iris brown. maxilla dark brown. Mandible horn with a line each side of gonyx brown. tarsus black. Length 135 wing 67 tail 58. ^{Bad stom. con insects}

1677. *Agelaius phoeniceus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 230 wing 124 tail 94 ♂ ad stomach contents * seeds

1682. *Agelaius phoeniceus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 224 wing 122 tail 83 ♂ ad stomach contents seeds

1683. *Agelaius phoeniceus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 219 wing 124 tail 88 ♂ ad stomach contents insects.

1684. *Agelaius phoeniceus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. gonyx horn. tarsus black. Length 188 wing 100 tail 70 ♀ ad stomach contents seeds.

May 14, Monday.

1685. *Empidonax acadicus*. G. D. Hanna. east of Lawrence Kansas. ♂. Given me by G. D. Hanna. original no 190

May 15, Tuesday.

1686. *Progne subis*. A. Wetmore. Lawrence, Kansas, iris brown. bill black. tarsus liver brown. Length 188 wing 145 tail 71 ♀ ad stomach contents insects.

Today a male and female martin fell, while copulating to the brick sidewalk in front of the K. U. barbershop and the female was killed by the fall. Strangely enough the ovaries were so small that they could only be detected after a minute examination.

May 22, Tuesday.

1687. *Passer domesticus*. A. Wetmore. Museum building Lawrence, Kansas, iris hazel brown. gonyx dull buffy white. rest of bill dusky. Culmen shading to maxilla color. tarsus dull cinnamon brown. Length 157 wing 80 tail 58 ♀ ad. stomach contents seeds.

May 25, Friday.

1688. *Poecilymbus podiceps*. ~~at~~ Apollo. Washington Creek

1692 *Ereunetes pusillus*
 Given to G. P. Hanna
 Lawrence, Kansas

Southwest of Lawrence, Kansas, iris brown. bill
 pale slate. Culmen horn. band around bill through
 nostril black. tarsus dull black. webs and external
 face dark slate. ♂ ad. stomach contents feathers.

May 26, Saturday.

1689. *Ereunetes pusillus*. A. Wetmore. Kaw River north
 of Lawrence, Kansas, iris brown. bill black. tarsus
 wood brown. Length 155 wing 92 tail 38 ♂ ad. stomach
 contents ooze.

1690. *Ereunetes pusillus*. A. Wetmore. Kaw River north
 of Lawrence, Kansas, iris light brown. bill black.
 tarsus dusky brown. Length 154 wing 95 tail 40
 ♂ ad. stomach contents ooze.

1691. *Ereunetes pusillus*. A. Wetmore. Kaw River
 north of Lawrence, Kansas, iris brown. bill black.
 tarsus wood brown. Length 159 wing 94 tail 41 ♀ ad.
 stomach contents ooze.

1692. *Ereunetes pusillus*. A. Wetmore. Kaw River north
 of Lawrence, Kansas, iris brown. bill black. tarsus
 dusky brown. Length 162 wing 101 tail 46 ♀ ad.
 stomach contents ooze.

1693. *Ereunetes pusillus*. A. Wetmore. Kaw River north
 of Lawrence, Kansas, iris brown. bill black. tarsus
 wood brown. Length 161 wing 94 tail 39 ♀ ad.
 stomach contents ooze.

1694. *Actitis macularia*. A. Wetmore. Kaw River north
 of Lawrence, Kansas, iris brown. tip of bill dusky.
 base of mandible dull wood brown. base of
 mandible dull buffy brown. Length 195 wing 95
 tail 46 ♂ ad. stomach contents insects.

1695. *Vireo olivaceus*. A. Wetmore. Kaw River north
 of Lawrence, Kansas, iris paler red. maxilla
 dusky. base of mandible horn. rest dull
 slate. tarsus light slate. Length 154 wing 78
 tail 53 ♂ ad. stomach contents insects.

1696. *Ayanospiza cyanea*. A. Wetmore. Kaw River
 north of Lawrence, Kansas, iris dark brown. gonyx
 + maxilla black. rest slate. tarsus brown. Length
 138 wing 88 tail 52 ♂ ad. stomach contents insects.

1697. *Cyanospiza cyanea*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. gonyx & maxilla black. rest of mandible slate. tarsus dark brown. Length 146 wing 67 tail 50 ad. stomach contents insects

1698. *Icterus spurius*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. mandibular ramus slate. rest of bill black. tarsus dull slate. Length 171 wing 78 tail 70. ad. stomach contents insects

1699. *Dendroica aestiva*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla black. mandible slate. tarsus dull buffy brown. Length 125 wing 58 tail 40 ♀ ad. stomach contents insects

1700. *Vireo bellii*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla light brown. mandible flesh color. tarsus brown. Length 118 wing 55 tail 44 ♂ ad. stomach contents insects

1701. *Empidonax acachens*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla black. mandible dull orange buff. tarsus black. Length 146 wing 70 tail 55 ♀ ad. stomach contents insects

1702. *Empidonax acachens*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla very dark brown. mandible buffy brown. tarsus black. Length 149 wing 68 tail 55 ♀ ad. stomach contents insects

1703. *Empidonax acachens*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla brownish black. mandible dull buffy brown. tarsus black. Length 152 wing 72 tail 60 ♀ ad. stomach contents insects

1704. *Ampelis cedrorum*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus black. Length 188 wing 94 tail 58 ♂ ad. stomach contents mulberries

1705. *Molothrus ater*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla black. mandible blackish slate. tarsus black. Length 180 wing 96 tail 66. Ad. Stomach contents insects

1706. *Galerisoptes carolinensis*, A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus brown. Length 215 wing 90 tail 95. Ad. Stomach contents insects

1707. *Toxostoma rufum*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris yellow. maxilla + tip of mandible dusky. base of mandible dusky. tarsus light brown. Length 275 wing 103 tail 127. Ad. Stomach contents. insects

This morning after breakfast I went up along the river. It threatened rain and was very hot and sultry.

Acadian Flycatchers were very common and I heard their whist ~~see~~ coming from all around me. The birds themselves were rather secretive and slipped away out of sight through the willows. When seen they were usually on an open perch and sat quietly. Thick bushy places appeared to be their favorites.

Along the river I found a little flock of semipalmated sandpipers. They flew up from a mudbank and whistled and circled around calling. They started off up the river and went out of sight but in a ~~minute or~~ ~~two~~ few minutes were back standing in a close little flock on the mudbank. I got five all together. The others did not seem afraid at all. They acted much like the least sandpiper but the notes were a little different.

1708. *Pipilo erythrophthalmus*. G. D. Hanna, Lawrence, Kansas. Mar. 3, 1906. original no. 98. Given to me by G. D. Hanna

1709. *Spizella pusilla* Pgg. Lawrence, Kansas, May 28, 1906. G. D. Hanna. original no. 228 given to me by G. D. Hanna.

May 30, Wednesday.

1710. *Agelaius phoeniceus*. A. Wetmore. Haskell marsh, south of Lawrence, Kansas, iris brown. maxilla and tip of gonys dull black. rest of bill horn. tarsus black. Length 194 wing 103 tail 68 ♂ ad stomach contents insects.

1711. *Agelaius phoeniceus*. A. Wetmore. Haskell marsh, south of Lawrence, Kansas, iris dark brown. maxilla black. mandible blackish horn. tarsus black. Length 191 wing 97 tail 67 ♀ ad stomach contents insects.

1712. *Agelaius phoeniceus*. A. Wetmore. Haskell marsh, south of Lawrence, Kansas, iris dark brown. bill black, tarsus black. Length 235 wing 120 tail 87 ♂ ad stomach contents insects.

1713. *Spiza americana*. A. Wetmore. Haskell Marsh south of Lawrence, Kansas, iris brown. culmen and tip of maxilla blackish horn. base of gonys faintly pink. rest of bill slate. tarsus brown. Length 164 wing 80 tail 58 ♂ ad stomach contents insects.

1714. *Spiza americana*. A. Wetmore. Haskell marsh south of Lawrence, Kansas, iris dark brown. base of gonys pale pink. rest of bill pale slate. tarsus brown. Length 152 wing 70 tail 48. ♂ ad stomach contents insects.

1715. *Spiza americana*. A. Wetmore. Haskell marsh south of Lawrence, Kansas, iris dark brown. maxilla and tip of mandible dark wood brown. rest of bill pale slate. tarsus brown. Length 170 wing 83 tail 60 ♂ ad stomach contents insects.

1716. *Spiza americana*. A. Wetmore. Haskell marsh south of Lawrence, Kansas. iris dark brown. mandible and maxillary tomia slate. rest of maxilla blackish brown. tarsus brown. Length 165 wing 80 tail 56 ♂ ad stomach contents insects.

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1717. *Spiza americana*. Q. Wetmore. Haskell
marsh south of Lawrence, Kansas, iris dark brown.
base of gonys pale buff. rest of mandible and
maxillary tomia pale slate. rest of maxilla blackish
brown. tarsus brown. Length 160 wing 78 tail 52
♂ ad stomach contents insects.

1718. *Spiza americana*. Q. Wetmore. Haskell
marsh south of Lawrence, Kansas, iris dark brown.
base of gonys pale pink. culmen and tip of mandible
black. rest of bill light slate. tarsus brown.
Length 165 wing 83 tail 57 ♂ ad stomach contents
insects.

1719. *Merula migratoria*. Q. Wetmore. Dog Farm
south of Lawrence, Kansas, iris blueblack. bill
wood brown. gape yellow. tarsus isabelline brown.
Length 211 wing 111 tail 69. ♂ yg stomach contents
insects.

1720. *Astragalinus tristis* ^{C. D. Bunker, Dog Farm, Lawrence, Ks.} iris dark brown. tip
of maxilla dusky. rest of bill orange brown. tarsus
brown. Length 128 wing 71 tail 45 ♂ ad stomach
contents seeds.

1721. *Troglodytes aedon aztecus*. Q. Wetmore.
Dog Farm south of Lawrence, Kansas, iris brown.
maxilla black. tip of mandible wood brown.
rest pale brown. tarsus brown. Length 129 wing 54
tail 41 ♂ ad stomach contents insects.

1722. *Vireo bellii*. Q. Wetmore. Dog Farm south
of Lawrence, Kansas, iris brown. maxilla front
brown. mandible very pale brown. tomia lined
with darker. tarsus blackish slate. Length 129
wing 54 tail 46. ♀ ad. stomach contents insects.

1723. *Vireo bellii*. Q. Wetmore. Hedge south of
Lawrence, Kansas, iris brown. maxilla warm
sepia brown. mandible pale pinkish brown.
tomia lined with slate. tarsus dark slate.
Length 122 wing 56 tail 45 ♂ ad stomach
contents insects.

1724. *Vireo bellii*. Q. Wetmore. Hedge south of
Lawrence, Kansas, iris dark brown. maxilla dark

sepia brown. mandible horn. tarsus dark slate.
Length 123 wing 54 tail 41 ♂ ad. stomach contents
insects.

1725. *Empidonax traillii alvorum*. C. D. Brewer
Dog farm south of Lawrence, Kansas, iris dark
brown. maxilla black brown. mandible very dark
orange brown. tarsus black. Length 131 wing 58
tail 45 ♀ ad stomach contents insects.

June 5, Tuesday.

May Bredlist
 American Goldfinch
 English Sparrow
 Blue Jay
 Chickadee
 Red-bellied Woodpecker
 Hairy Woodpecker
 Crow
 Tufted Titmouse
 Flicker
 Cardinal
 Downy Woodpecker
 Bluebird
 Robin
 Prairie Horned Lark
 Red-shafted Flicker
 Screech Owl
 White-crowned Sparrow
 Black Duck
 Red-winged Blackbird
 Meadowlark
 Bronzed Grackle
 White-throated Sparrow
 American Coot
 Mourning Dove
 Wilson Snipe
 Western House Wren
 Wood Thrush
 Red-bellied Grebe
 Rough-winged Swallow
 Myrtle Warbler
 Grasshopper Sparrow
 Orchard Oriole
 Yellow Warbler
 Brown Thrasher
 Wood Duck
 Bluegray Gnatcatcher
 Gray-cheked Thrush
 Red-eyed Vireo

Cerulean Warbler
 Summer Tanager
 Redstart
 Spotted Sandpiper
 Lesser Yellowlegs
 Least Flycatcher
 Canadian Flycatcher
 Bell Vireo
 Solitary Sandpiper
 Wood Pewee
 Yellow-bellied Cuckoo
 Indigo Bunting
 Prothonotary Warbler
 Arkansas Kingbird
 Grinnel Water-Thrush
 Lincoln Sparrow
 Short-billed Marsh Wren
 Black-Poll Warbler
 Chickadee
 Poorwill
 Hudsonian Godwit
 Red-tailed Hawk
 White-breasted Nuthatch
 Turkey Vulture
 Black and White Warbler
 White-rumped Shrike
 Purple Martin
 Semipalmated Sandpiper
 Cedar Waxwing
 Catbird
 Song Sparrow
 Field Sparrow

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June 2, Saturday

1726. *Chaetura pelagica*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown, bill black, tarsus dark slate. Length 133 wing 134 tail 42. ♀ ad. Stomach contents insects.

1727. *Empidonax acadicus*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown, maxilla dark brown, mandible horn. Tarsus black. Length 155 wing 62 tail 62. ♂ ad. Stomach contents insects.

1728. *Vireo bellii*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown, maxilla wood brown, mandible very pale brown lined with slate. Tarsus slate. Length 127 wing 58 tail 47. ♂ ad. Stomach contents insects.

1729. *Setophaga ruticilla*. A. E. Fowler. Washington Creek southwest of Lawrence, Kansas, iris brown, bill black, tarsus black. Length 131 wing 63 tail 53. ♂ ad. Stomach contents insects.

1730. *Setophaga ruticilla*. H. E. Fowler. Washington Creek southwest of Lawrence, Kansas, iris dark brown, bill black, tarsus black. Length 134 wing 65 tail 56. ♂ ad. Stomach contents insects.

1731. *Cyanospiza ^{Cyaner} ~~cyaneus~~*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dark brown, maxilla + gape brownish black, rest of bill slate, tarsus dusky. Length 140 wing 65 tail 47. ♂ ad. Stomach contents insects.

1732. *Oporornis formosa*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown, pale of gape pale horn, rest of bill very dark brown, tarsus flesh color. Length 135 wing 62 tail 46. ♀ ad. Stomach contents insects.

1733. *Oporornis formosa*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown, base of mandible pale horn, rest of bill dull black, tarsus flesh color. Length 138 wing 62 tail 50. ♂ ad. Stomach contents insects.

1734. *Oporornis formosa*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dark brown, base of mandible pale horn, rest of bill brownish black, tarsus

flesh color. Length 145 wing 72 Tail 51 Bad stomach contents insects

1735. *Poliophtila caerulea*. H. E. Fowler. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill black. tarsus slaty black. Length 124 wing 54 tail 52 Bad stomach contents insects

1736. *Poliophtila caerulea*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris dark brown. base of mandible pale buff. rest of bill black. tarsus blackish slate. Length 120 wing 52 tail 48 Bad stomach contents insects

1737. *Poliophtila caerulea*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris dark brown. bill black. tarsus slaty black. Length 118 wing 54 tail 48 Bad stomach contents insects

1738. *Minioptila varia*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dark brown. base of mandible brown. rest of bill black. tarsus blue black. Length 128 wing 69 tail 46 Bad stomach contents insects

1739. ~~Geothlypis~~ *Oporornis formosa*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dark brown. base of mandible pale buff. rest of bill black. tarsus flesh color. Length 136 wing 69 tail 50 Bad stomach contents insects

1740. *Tamias flavifrons*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. basal half of mandible slate. rest of bill dull black. tarsus bluish slate. Length 135 wing 73 tail 50 Bad stomach contents insects

1741. *Tamias flavifrons*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dark brown. basal half of mandible slate. rest of bill dull black. tarsus bluish slate. Length 144 wing 76 tail 53 Bad stomach contents insects

1742. *Helminthophila pumila*. H. E. Fowler. Washington Creek southwest of Lawrence, Kansas, iris brown. gape brown. rest of bill black. tarsus dusky brown. Length 130 wing 64 tail 48 Bad stomach contents insects

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1743. *Vireosylva olivacea*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dull red. maxilla isabella color. base of mandible pale buff. rest slate. tarsus slate. Length 145 wing 78 tail 52 ♀ ad stomach contents insects

1744. *Vireosylva olivacea*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris dull red. maxilla wood brown. base of mandible pale buff. rest slate. tarsus slate. Length 145 wing 81 tail 57 ♂ ad stomach contents insects

1745. *Vireosylva olivacea*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dull red. maxilla very dark brown. base of mandible brown. rest dull slate. tarsus dark slate. Length 158 wing 80 tail 57 ♂ ad stomach contents insects

1746. *Vireosylva olivacea*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris dull red. maxilla very dark wood brown. base of mandible dull buff. rest slate tarsus slate. Length 148 wing 75 tail 51. ♀ ad stomach contents insects

1747. *Spizella pusilla*. A. Wetmore. Washington Creek. southwest of Lawrence, Kansas, iris brown. bill pale cinnamon. tarsus same. Length 146 wing 61 tail 64 ♀ ad stomach contents insects

1748. *Spizella pusilla*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. tarsus and bill pale cinnamon. Length 142 wing 60 tail 59 ♀ ad stomach contents insects

1749. *Cyanospiza cyanea*. H. E. Fowler. Washington Creek southwest of Lawrence, Kansas, iris brown. maxilla and gonys black. rest of bill slate. tarsus black. Length 136 wing 58 tail 51 ♂ ad stomach contents insects

1750. *Parus bicolor*. H. E. Fowler. Washington Creek southwest of Lawrence, Kansas, iris brown. bill black. tarsus bluish slate. Length 152 wing 74 tail 68 ♀ ad stomach contents insects

1751. *Scleria virens*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill black. tarsus dusky. Length 181 wing 74 tail 71 ♂ ad stomach contents insects

1752. *Acteria virens*. A. Wetmore. Washington Creek, southwest of Lawrence, Kansas, iris brown. bill black. tarsus dusky. Length 184 wing 74 tail 70. ♂ ad. Stomach contents insects.
1753. *Acteria virens*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill black. tarsus blackish slate. Length 178 wing 78 tail 73. ♂ ad. Stomach contents insects.
1754. *Spiza americana*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. Culmen dusky. rest of bill slate. tarsus very dull brown. Length 167 wing 80 tail 55. ♂ ad. Stomach contents insects.
1755. *Spiza americana*. A. Wetmore. Wakarusa bottoms, southwest of Lawrence, Kansas, iris brown. Culmen dusky. base of culmen dull buff rest of bill slate. tarsus dull brown. Length 161 wing 78 tail 53. ♂ ad. Stomach contents seeds.
1756. *Spiza americana*. A. Wetmore. Wakarusa bottoms southwest of Lawrence, Kansas, iris brown. Culmen + tip of mandible wood/brown. rest of bill slate. tarsus dull brown. Length 161 wing 78 tail 56. ♂ ad. Stomach contents insects.
1757. *Spiza americana*. A. Wetmore. Wakarusa bottoms southwest of Lawrence, Kansas, iris brown. Culmen + tip of mandible dusky. rest of bill slate. tarsus dull brown. Length 162 wing 77 tail 55. ♂ ad. Stomach contents seeds.
1758. *Passer domesticus*. A. Wetmore. Wakarusa bottoms southwest of Lawrence, Kansas, iris brown. base of mandible dull buff rest of bill dusky brown. tarsus brown. Length 158 wing 75 tail 59. ♂ ad. Stomach contents insects.
1759. *Otocoris alpestris praticola*. A. Wetmore. Washington Creek southwest of Lawrence, Kan. iris brown. maxilla and tip of mandible black. rest of bill slaty white. tarsus. Length 180 wing 106 tail 73. ♂ ad. Stomach contents insects.

1760. *Myiarchus crinitus*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill dark brown. tarsus same. Length 207 wing 102 tail 89. Bad stomach contents insects.

1761. *Quiraca caerulea*. A. Wetmore. Washington Creek. Southwest of Lawrence, Kan. iris brown. maxilla black. mandible slate. tarsus dusky.

Length 178 wing 94 tail 71. Bad stomach contents insects.

1762. *Tamias ludovicianus eximius*. H. E. Fowler. Wakarusa bottoms southwest of Lawrence, Kansas, iris brown. bill black. tarsus blackish brown. Length 219 wing 95 tail 91. Bad stomach contents insects.

1763. *Tamias ludovicianus eximius*. H. E. Fowler. Wakarusa bottoms southwest of Lawrence, Kansas, brown. bill black. tarsus black. Length 226 wing 98 tail 97. Bad stomach contents insects.

1764. *Coccyzus americanus*. A. Wetmore. Wakarusa bottoms southwest of Lawrence, Kansas, iris brown. maxilla and tip of mandible black. rest of mandible yellow. tarsus slate. Length 201 wing 144 tail 146. Bad stomach contents insects.

1765. *Colinus virginianus*. A. Wetmore. Wakarusa bottoms southwest of Lawrence, Kansas, iris brown. bill black. tarsus pale brown. Length 247 wing 110 tail 57. Bad stomach contents insects.

1766. *Corvus brachyrhynchos*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris dull slate. rami + tip of bill horn. rest of bill dusky. tarsus dull black. Length 367 wing 217 tail 108. Egg stomach contents young birds and corn.

1767. *Megascops asio*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris yellow. culmen dull greenish yellow. inside of toes dirty white. Bad stomach contents beetles. Length 228 wing 160 tail 75.

This morning Harry Fowler my room. mate and I went to my camp on Washington Creek. We started at five A. M. and got back at 3:30 P. M.

It was cool when we started and the sky was overcast all day so that it was not very hot. All the trees were out in full leaf as was to be expected while wild roses and primroses were in blossom. In certain localities the ground was fairly covered with wild strawberries.

Dickcissels were very abundant all through the Wakarusa bottoms. They were more noticeable in the heat of the day than when it was cool. The males were singing from elevated perches everywhere. The females were not seen at all and I think kept down in the grass. The song was different from that of Wisconsin specimens being simply Dick dick sah sah sah repeated endlessly. The birds in flight reminded me of the English Sparrow almost exactly.

One Yellow-billed Cuckoo was taken. It had come out into the sun on the dead limb of the tree and sat there quietly while we drove by. I have noted them doing this repeatedly in the early morning. Several others were heard calling. They seem to frequent the hedges.

At Washington Creek Yellow-breasted Chats were especially numerous. Their whistles and calls echoed through the bushy woods continually. In one field covered with bushes they were especially numerous. Three were taken here easily. I witnessed the queer sky dance here twice when the bird moved grotesquely in the air and sang. Sometimes in flight the tail was pumped up and down with such violence as to affect the whole body. When I approached one in the bushes it usually went down near the ground where it was more easily concealed.

In the woods were also numbers of Kentucky Warblers. When I approached the male

would fly around me, usually keeping well hidden, chirping anxiously. They were very restless and kept moving the tail up and down constantly like a Water Thrush. One female was taken and I think this was the only one seen. They inhabited the thick brush along the edges of the draws.

The Bluegray Gnatcatchers were also found here in the oak woods on the hills. They called continually but I do not think I heard one sing. When seen they were usually hunting through the tops of the trees nervously. Sometimes they sat still and called however and then could not be found. They acted exactly like the specimens observed at Lake Koshkonong Wis., in June 1904.

In one large elm tree ~~near~~ the house I got two yellow-throated Vireos one in the forenoon and one in the afternoon. Both were scolding a Screech Owl with their characteristic note which I had not heard for a long time. This species is rare here and there are none in the State Museum excepting two taken at Neosho Falls.

I also shot a male Blue Grosbeak here. It sat in the dead top of an apple tree singing and let me get within good range. This bird is rare here this far north but further west is common.

Fowler took the Blue-winged Warbler and I did not see it at all alive.

The Field Sparrow appeared to be very anxious and were undoubtedly nesting. One nest was found on the ground. It was entirely unassociated being merely anchored to a weed.

June 4, Monday.

1768. *Actus gallula*. A. Wetmore. Kaw River north of Lawrence, Kansas. Iris brown. Culmen dusky. rest of bill slate. Tarsus dark slate. Length 190 wing 97 tail 71 ♀ ad. Stomach contents: insects.

1769. *Pipilo erythrophthalmus*. A. Wetmore. Kaw River north

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of Lawrence, Kansas, iris reddish brown. bill black. tarsus brown. Length 205 wing 87 tail 91 Bad Stomach contents insects

1770. *Galeoscoptes carolinensis*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. bill black. tarsus brown. Length 203 wing 84 tail 84 Bad Stomach contents insects

1771. *Passer domesticus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla wood brown. mandible pale brown. gape yellow. tarsus brown. Length 150 wing 75 tail 49 Pin Stomach contents seeds.

1772. *Cyanospiza cyanea*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla and gonyx black. base of gonyx yellow. rest of bill slate. tarsus black. Length 132 wing 68 tail 50 Bad Stomach contents insects

1773. *Cyanospiza cyanea*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla and gonyx black. rest of bill slate. tarsus black. Length 134 wing 68 tail 50 Bad Stomach contents insects

1774. *Cyanospiza cyanea*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla and gonyx black. rest of bill slate. tarsus black. Length 137 wing 68 tail 52 Bad Stomach contents insects

1775. *Cyanospiza cyanea*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla + gonyx brownish black. rest of bill horn. tarsus dusky. Length 128 wing 63 tail 48 Bad Stomach contents insects

1776. *Contopus virens*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. maxilla black. tip of mandible dull brown. base dull orange with a line each side of gonyx brown. tarsus black. Length 163 wing 88 tail 66 Bad Stomach contents insects

1777. *Empidonax scadius*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris dark brown. maxilla and tip of mandible very dark brown. rest of bill horn with a brown line each side of gonyx. tarsus black. Length 142 wing 70 tail 56 Bad Stomach contents insects

1778. *Troglodytes aedon aztecus*. A. Wetmore. Kaw River north of Lawrence, Kansas, iris brown. maxilla black

base of mandible pale buff. rest slate. tarsus brown.
Length 118 wing 50 tail 39 Stomach contents

1779. *Troglodytes aedon aztecus* - A. Wetmore. Kaw River
north of Lawrence, Kansas, iris brown. maxilla black.
base of mandible pale pink. rest slate. tarsus dull
brown. Length 121 wing 50 tail 40 Bad stomach
contents. insects

1780. *Troglodytes aedon aztecus* - A. Wetmore. Kaw
River north of Lawrence, Kansas, iris brown. maxilla
black. base of mandible pale dull buff. rest pale
slate. tarsus brown. Length 120 wing 50 tail 44 Bad
stomach contents insects

1781. *Vireo bellii* - A. Wetmore. Kaw River north of
Lawrence, Kansas, iris brown. base of mandible pale
buff. rest of bill isabella brown. tarsus dark slate.
Length 120 wing 56 tail 42 Bad stomach contents
insects

1782. *Vireo bellii* - A. Wetmore. Kaw River north of
Lawrence, Kansas, iris brown. maxilla isabella brown.
mandible pale dull slate. marked across center of
gouges with pale buff. tarsus dark slate. Length 120
wing 58 tail 45 Bad stomach contents insects

1783. *Vireo bellii* - A. Wetmore. Kaw River north of
Lawrence, Kansas, iris brown. tip of maxilla isabella
brown. base of maxilla and mandible pale buff.
rest of bill slate. tarsus dark slate. Length 119 wing 58
tail 44 Bad stomach contents insects

June 5, Tuesday.

1786. *Cyanospiza cyanea* - H. E. Fowler, Kaw River.
north of Lawrence, Kansas, iris brown. maxilla
and gouges black. rest of bill slate. tarsus dark
brown. Length 133 wing 68 tail 49 Bad stomach contents
insects

1787. *Cyanospiza cyanea* - H. E. Fowler, Kaw River north
of Lawrence, Kansas, iris brown. maxilla and gouges
black. rest of bill slate. tarsus blackish brown. Length 132
wing 67 tail 48 Bad stomach contents insects

1788. *Troglodytes aedon aztecus* - H. E. Fowler, Kaw River
north of Lawrence, Kansas, iris brown. maxilla very

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Los Angeles
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dark brown. tip of mandible paler. rest of mandible
pale orange buff. Tarsus brown. Length 119 wing 49
tail 58 Pad stomach contents insects

1789 *Spiza Americana*. H. E. Fowler, Kaw River north
of Lawrence, Kansas, iris brown. Culmen very dark
brown. rest of bill slate. Tarsus dark brown. Length 160
wing 82 tail 58 Pad stomach contents insects

1790 *Tyrannus tyrannus*. H. E. Fowler, Kaw River
north of Lawrence, Kansas, iris dark brown.
bill black. Tarsus black. Length 208 wing 111
tail 82 Pad stomach contents insects

1791 *Agelaius phoeniceus*. H. E. Fowler, Kaw River
north of Lawrence, Kansas, iris brown. Maxilla
and tip of mandible black. rest dull slate. Tarsus
black. Length 205 wing 108 tail 79 Pad stomach contents
insects

1792 *Tyrannus tyrannus*. H. E. Fowler, Kaw River
north of Lawrence, Kan. iris dark brown. bill
black. Tarsus black. Length 205 wing 118 tail 82
Pad stomach contents insects

1793 *Agelaius Cardinalis Cardinalis*. H. E. Fowler
Kaw River north of Lawrence, Kan. iris brown. bill
light red. Tarsus brown. Length 220 wing 98
tail 106 Pad stomach contents insects

1794 *Dryobates villosus*. H. E. Fowler, Kaw River
north of Lawrence, Kansas, iris brown. bill
dull blackish slate. Tarsus black slate. Length 215
wing 117 tail 73 Pad stomach contents insects.

June 7th, Thursday.

1795. S. Q. Adams,
Bahia Blanca, Brazil, Oct 26, 1903 ♂ Length 6 ³/₄.
original no. 1.

1796. *Sturnella militaris*. S. Q. Adams. Bahia Blanca
Brazil, Oct. 26, 1903. ♀ Length 7 inches. taken in
meadow. original no 2.

1797. S. Q. Adams. Bahia
Blanca, Brazil. Oct. 26, 1903. ♂ Length 5 ¹/₂ taken on
upland. original no. 3.

1798. *Sturnella militaris*. S. Q. Adams. Bahia Blanca

Brazil. Oct. 26, 1903 ♂. Length $8\frac{1}{2}$. taken in meadow. Original no. 4.
1799. S. G. Adams.

Bahia Blanca, Brazil. Oct. 26, 1903, ♂ Length 8 taken in meadow original no. 6.
1800. S. G. Adams.

Bahia Blanca, Brazil. Oct. 28, 1903 ♂ Length $3\frac{3}{4}$ taken on sandy hillside. original no. 7.

1801. *Sturnella militaris*. S. G. Adams. Bahia Blanca, Brazil Oct. 29, 1903. ♂ Length 8 taken in meadow. Original no. 8.

1802. *Volatina jacarini jacarini*. S. G. Adams. Taken at Sea. Lat. 20° South off coast of Brazil October 1903. ♂ Length $4\frac{1}{4}$ alighted on shipboard. Jamshed. very active. original no. 20.

1803. *Pyrocephalus rubinus*. S. G. Adams. Bahia Blanca, Brazil. Estancia H. W. Nov. 16, 1903 ♂ Length $5\frac{3}{4}$. taken in trees along arroyo. original no. 31

1804. S. G. Adams. Bahia Blanca, Brazil. October 31, 1903. ♀ Length 5. taken by arroyo. original no. 10

1805. S. G. Adams. Bahia Blanca, Brazil. Nov. 4, 1903 ♂ Length $4\frac{7}{8}$. bill light yellow. taken on upland near trees with no. 18 (A. W. no. 1806) original no. 17.

1806. S. G. Adams. Bahia Blanca, Brazil. Nov. 4, 1903. ♀ Length $4\frac{7}{8}$ original no. 18

1807. S. G. Adams. Bahia Blanca, Brazil, Dec. 10, 1903, ♀ Length $5\frac{3}{8}$. iris dark brown. nest of coarse sticks in a deserted oven (*Furnarius*?). original no. 41.

1808. *Pitangus derbianus*. S. G. Adams. Bahia Blanca, Brazil. Nov. 19, 1903, ♀ iris dark brown. Length $9\frac{3}{4}$ original no. 37.

1809. H. S. Felton. Killik Aike, Patagonia. Lat. 52° S. original no. 248.

1810. *Asio accipitrinus*. S. G. Adams. Bahia Blanca, Brazil. Nov. 12, 1903. Length 16. ♀ iris yellow. Taken in pasture, original no. 30.

1811. *Milvulus tyrannus*. S. G. Adams. Bahia Blanca, Brazil. Nov. 10, 1903. ♂. Length $14\frac{7}{8}$ iris brown. Spanish name quientas. Original no. 27.

1812. S. G. Adams. Bahia Blanca, Brazil. Dec. 10, 1903. ♂. Length 15 iris reddish brown, eyelets same sides of head yellowish, original no. 43.

1813. *Speotyto cunicularia*. S. G. Adams. Bahia Blanca, Brazil. Nov. 5, 1903. ♂. Length $8\frac{1}{2}$. Taken on hillside original no. 19.

1814. S. G. Adams. Bahia Blanca, Brazil. Nov. 12, 1903. ♂. Length $13\frac{1}{2}$ legs reddish black. feet darker. bill lilac with black tip spur red. point darker. taken pasture. Name Jero. tro. original no. 29.

1815. S. G. Adams. Bahia Blanca, Brazil. Nov. 9, 1903. ♀. Taken pasture original no. 25.

1816. S. G. Adams. Bahia Blanca, Brazil. Nov. 18, 1903. Length $8\frac{3}{4}$ ♂, iris brown. original no. 36.

1817. S. G. Adams. Bahia Blanca, Brazil. Nov. 6, 1903. ♂. Length $7\frac{1}{2}$ taken in pasture. original no. 21.

1818. S. G. Adams. Bahia Blanca, Brazil. Nov. 6, 1903. ♂. Length $5\frac{3}{4}$ taken in pasture. original no. 23.

1819. *Pipgochelidon patagonica*. S. G. Adams. ~~At~~ Bahia Blanca, Brazil. Oct 31, 1903. ♀. Length $4\frac{7}{8}$ taken in pasture on slope. Nest washed out. hole 5 feet deep one egg secured original no. 12.

1820. *Pyrocephalus rubinus*. S. G. Adams. Bahia Blanca, Brazil. Dec. 10, 1903. ♂. Length $5\frac{1}{4}$ iris dark brown. original no. 44.

1821.

S. A. Adams.
Bahia Blanca Brazil. Nov. 17, 1903. ♀ iris brown.
Length $6\frac{1}{2}$ original no 33.

1822

S. A. Adams.
Bahia Blanca, Brazil. Nov. 9, 1903 ♀ Length $5\frac{1}{2}$
original no 26.

1823.

S. A. Adams
Bahia Blanca Brazil Oct. 31, 1903. ♂ Length $6\frac{7}{8}$
taken by Gardiner. original no 13

1824. *Sturnella militaris*. S. A. Adams. Bahia
Blanca, Brazil. Nov. 6, 1903. ♀ Length $7\frac{1}{2}$ taken
in pasture. original no. 22.

1825.

S. A. Adams
Bahia Blanca. Brazil. Nov. 18, 1903. ♂ Length $7\frac{1}{8}$
iris brown. bill dark above. reddish yellow at
base. lighter at tip of maxilla. leg shot off.
original no. 35.

1826. Minus

S. A. Adams
Bahia Blanca, Brazil. Nov. 10, 1903. ♂ Length $9\frac{3}{8}$
iris light brown. feet and legs black. bill same.
original no 28.

1827

S. A. Adams
Bahia Blanca, Brazil. Nov. 18, 1903 ♀ Length 5
iris dark brown. original no. 34.

1828.

S. A. Adams.
Bahia Blanca, Brazil. Nov. 6, 1903. ♂ Length $4\frac{1}{4}$
taken in pasture. original no. 24.

1829.

S. A. Adams
Bahia Blanca, Nov. 16, 1903. ♂ (juv?) Length 6 in
iris pale yellow. bill same. bill yellowish at
base darker at tip. see 1823 (13). original no
32.

1830.

S. A. Adams
Bahia Blanca, Brazil. Oct. 31, 1903. ♂ Length
6. taken on hillside original no. 9.

1831.

S. A. Adams
Bahia Blanca, Brazil, Nov. 4, 1903. ♀ ~~S. A. Adams~~
taken on upland. nest + 3 eggs taken - incubated.
original no 16.

1832.

S. A. Adams
Bahia Blanca, Brazil, Oct. 31, 1903. ♀. Length 6
taken on hillside original no. 11.

1833.

S. A. Adams
Bahia Blanca, Brazil. Nov. 19, 1903. Length 5
juv. ♂. feet and legs slate. iris brown. Spanish
name Martinette. original no. 39.

1834. *Sturnella militaris*. S. A. Adams.

Bahia Blanca, Brazil. Nov. 2, 1903. ♂. Length
7 7/8 taken in meadow. original no. 14.

1835.

S. A. Adams
Bahia Blanca, Brazil. Dec. 10, 1903. Length 16
♀. iris dark brown. original no. 42.

June 8, Friday.

1836. *Centurus carolinus*. C. D. Bunker, Washington
Creek southwest of Lawrence, Kansas, iris reddish
brown. bill black. tarsus dull drab. Length 246
wing 130 tail 74. ♂ ad stomach contents insects

1837. *Coccyzus americanus*. C. D. Bunker, Washington
Creek southwest of Lawrence, Kansas, iris dark brown.
maxillar toms and mandible yellow. rest of bill
black. tarsus plumbeous. Length 235 wing 138 tail 136
♂ ad stomach contents insects

1838. *Coccyzus americanus*. Q. Wetmore. Washington
Creek southwest of Lawrence, Kansas, iris brown.
maxillar toms + mandible yellow. tip of mandible
+ rest of maxilla black. tarsus plumbeous. Length 290
wing 142 tail 141 ♂ ad stomach contents insects

1839. *Cyanocitta cristata*. C. D. Bunker. Washington
Creek southwest of Lawrence, Kansas, iris brown.
bill black. tarsus black. Length 275 wing 130 tail 125
♀ ad stomach contents insects.

1840. *Myiarchus cinerascens*. C. D. Bunker. Washington
Creek southwest of Lawrence, Kansas iris brown. base
of mandible horn. rest of bill blackish brown. tarsus
blackish slate. Length 208 wing 94 tail 85 ♂ ad stomach contents insects

1841. *Myiarchus crinitus*. A. Wetmore, Washington Creek southwest of Lawrence, Kansas, iris dark brown. bill blackish brown. tarsus blackish brown. Length 207 wing 94 tail 82 ♀ ad stomach contents insects

1842. *Myiarchus crinitus*. C. D. Bunker, Washington Creek, southwest of Lawrence, Kansas, iris dark brown. bill very dark brown. tarsus blackish slate. Length 220 wing 100 tail 89 ♂ ad stomach contents insects

1843. *Piranga rubra*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris brown. bill dull greenish olive. tarsus slaty brown. Length 178 wing 88 tail 69 ♂ ad stomach contents insects

1844. *Dryobates pubescens medianus*. C. D. Bunker Washington Creek southwest of Lawrence, Kansas, iris bluish slate. maxilla and tip of mandible dusky. line on gonyx same. rest of mandible dull white. tarsus pale plumbeous. Length 159 wing 88 tail 51 ♀ egg stomach contents insects

1845. *Dryobates pubescens medianus*. C. D. Bunker Washington Creek southwest of Lawrence, Kansas, iris dark brown. bill dull black. tarsus drab slate. Length 162 wing 96 tail 55 ♀ ad stomach contents insects

1846. *Spiza americana*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. culmen dark brown. rest of bill slaty. tarsus brown. Length 162 wing 80 tail 54 ♂ ad stomach contents insects

1847. *Vireosylva olivacea*. A. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris red. maxilla black. base of gonyx pale brown. rest of mandible slate. tarsus dark slate. Length 143 wing 81 tail 53 ♀ ad stomach contents insects

1848. *Vireosylva olivacea*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris red. maxilla black. base of gonyx dull pink. rest of mandible slate. tarsus blackish slate. Length 155 wing 80 tail 53 ♂ ad stomach contents insects

1849. *Vireosylva olivacea*. C. D. Bunker. Washington
Creek southwest of Lawrence, Kansas, iris red. maxilla
black. mandible horn lined on sides with slate.
tarsus blackish slate. Length 152 wing 74 tail 53 ♀ ad
stomach contents insects

1850. *Vireosylva olivacea*. C. D. Bunker. Washington
Creek southwest of Lawrence, Kansas, iris red. maxilla
horn brown. base of mandible pale horn. rest slate.
tarsus blackish brown. Length 150 wing 74 tail 50 ♀ ad
stomach contents insects

1851. *Vireosylva olivacea*. C. D. Bunker. Washington
Creek southwest of Lawrence, Kansas, iris red.
maxilla very dark brown. base of mandible horn.
rest of mandible slate. tarsus dark slate.
Length 152 wing 79 tail 52 ♀ ad stomach contents
insects

1852. *Vireosylva olivacea*. C. D. Bunker. Washington
Creek southwest of Lawrence, Kansas, iris red. maxilla
very dark brown. base of gonys horn. rest of bill
slate. tarsus dark slate. Length 148 wing 80 tail 51
♂ ad stomach contents insects

1853. *Cyanospiza cyanea*. A. Wetmore. Washington
Creek southwest of Lawrence, Kansas, iris brown.
maxilla and gonys black. rest of mandible slate.
tarsus dusky. Length 129 wing 67 tail 50 ♂ ad
stomach contents insects

1854. *Cyanospiza cyanea*. C. D. Bunker. Washington
Creek southwest of Lawrence, Kansas, iris dark brown.
maxilla and gonys black. rest of mandible
slate. tarsus black. Length 133 wing 68 tail 53 ♂ ad
stomach contents insects

1855. *Cyanospiza cyanea*. C. D. Bunker. Washington
Creek southwest of Lawrence, Kansas, iris dark brown.
maxilla and gonys black. rest of mandible
slate. tarsus dark brown. Length 134 wing 66
tail 50 ♂ ad stomach contents insects

1856. *Cyanospiza cyanea*. C. D. Bunker. Washington
Creek southwest of Lawrence, Kansas, iris dark brown.
maxilla and gonys black. rest of mandible slate

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11/10/07 Los Angeles

tarsus blackish brown. Length 132 wing 66 tail 51

♂ ad stomach contents insects

1857. *Cyanospiza cyanea*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris brown. maxilla and gony blackish brown. nasal fossae paler. rest of mandible pale slate. tarsus pale slate. Length 138 wing 65 tail 51 ♀ ad stomach contents insects

1858. *Cyanospiza cyanea*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris brown. maxilla and gony blackish brown. rest of mandible slate. tarsus dark brown. Length 130 wing 65 tail 48 ♀ ad stomach contents insects

1859. *Oporornis formosa*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris dark brown. base of gony pale brown. rest of bill black. tarsus very pale brown. Length 139 wing 72 tail 52 ♂ ad stomach contents insects

1860. *Oporornis formosa*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris dark brown. base of gony pale brown. rest of bill blackish brown. tarsus very pale brown. Length 125 wing 64 tail 45 ♀ ad stomach contents insects

1861. *Spizella pusilla*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris brown. bill + tarsus pale cinnamon. Length 144 wing 66 tail 65 ♂ ad stomach contents insects

1862. *Spizella pusilla*. Q. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill + tarsus pale cinnamon. Length 148 wing 67 tail 63 ♂ ad stomach contents insects

1863. *Geothlypis trichas*. Q. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris brown. bill black. tarsus flesh color. Length 126 wing 51 tail 45 ♀ ad stomach contents insects

1864. *Scelophaea ruticilla*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris brown. bill blackish brown. tarsus same. Length 126 wing 62 tail 50 ♀ ad stomach contents insects

1865. *Vireo noveboracensis*. Q. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris white bill black. tarsus dark slate. Length 125 wing 60 tail 48 ♂ ad Stomach contents insects

1866. *Vireo noveboracensis*. Q. Wetmore. Washington Creek southwest of Lawrence, Kansas, iris white. bill black. tarsus dark slate. Length 132 wing 65 tail 61 ♂ ad Stomach contents insects

1867. *Empidonax acadicus*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris brown. Maxilla very dark brown. mandible horn. tarsus black. Length 142 wing 74 tail 56 ♂ ad Stomach contents insects

1868. *Polioptila caerulea*. C. D. Bunker. Washington Creek southwest of Lawrence, Kansas, iris brown. base of gape horn. rest of bill and tarsus black. Length 116 wing 55 tail 51 ♂ ad Stomach contents insects

1869. March 9, 1904
Killik Aike Patagonia, ♀ Length 22 in. iris black. bill, feet & legs black, edge of out toes & outside of leg orange. Claws black. S. A. Adams.

June 27,

1870. *Chaetura pelagica*. Q. Wetmore. Verdigris River. Independence, Kansas, iris brown. bill black. tarsus. Chalky brown. Length 133 wing 125 tail 42 ♂ ad Stomach contents insects

Was at Independence, Kansas from June 12 to Aug. 9 but was too busy to do any collecting, or even to get out into the woods. Mockingbirds seemed more common this summer than last, and several were seen in the town. They sang continually from elevated perches. The Catbirds were around, as they were last summer and had the same grasshopper like song as before. Cardinals were more numerous and were around the house continually.

North Freedom Wis.

August 16,

1871. *Melospiza cinerea melodia*. A. Wetmore. Seeley's Marsh North Freedom, Wis. iris brown. gape + base of gonys dull buffy yellow. rest of bill dull drab brown. tarsus isabella. Length 145 wing 64 tail 58. ^{Jim's} Stomach contents insects.
1872. *Piranga erythromelas*. A. Wetmore. Seeley's Marsh, North Freedom, Wis. iris brown. bill greenish above. tarsus dull brown. Length 184 wing 101 tail 68. ^{Jim's} Stomach contents insects.
1873. *Cyanospiza cyanea*. A. Wetmore. Fullmer's pasture, North Freedom, Wis. iris dark brown. maxilla and tip of mandible black. rest of bill pale slate. tarsus black. Length 141 wing 69 tail 52. ^{Jim's} Stomach contents insects.
1874. *Chaetura pelagica*. A. Wetmore. Fullmer's pasture North Freedom, Wis. iris dark brown. bill black. tarsus dull reddish brown. Length 130 wing 138 tail 40. ^{Jim's} Stomach contents insects.
1875. *Empidonax minimus*. A. Wetmore. Seeley's point. North Freedom, Wis. iris brown. maxilla black. tip of mandible horn. rest dull buff. tarsus black. Length 125 wing 58 tail 50. ^{Jim's} Stomach contents insects.
1876. *Sayornis phoebe*. A. Wetmore. Seeley's point North Freedom, Wis. iris brown. bill black. tarsus black. Length 170 wing 79 tail 70. ^{Jim's} Stomach contents insects.
1877. *Dolichonyx oryzivorus*. A. Wetmore. Seeley's marsh, North Freedom, Wis. iris brown. tip of maxilla black. rest brown. mandible pale buffy white. tarsus brown. Length 164 wing 84 tail 62. ^{Jim's} Stomach contents seeds.
1878. *Dolichonyx oryzivorus*. A. Wetmore. Seeley's Marsh, North Freedom, Wis. iris brown. tip of bill black. rest of maxilla brown. mandible pale buffy white. tarsus brown. Length 179 wing 96 tail 65. ^{Jim's} Stomach contents seeds.

1879. *Melospiza cinerea melodia*. A Wetmore. Selkys
Marsh, North Freedom, Wis iris brown. Maxilla
brownish black. base of mandible pale buff. rest
dull slate. tarsus light brown. Length 148
wing 60 tail 100. Stomach contents insects

This morning I went down along
the river. It was warm but not oppres-
sively so and there was a slight dew.

Bobolinks were flying around some
calling *pink pink* and occasionally a
scolding note. On Selkys Marsh I found
fifteen or twenty gathered in a little company
in the rank grass. When I passed they
came up onto the tops of the weeds and
flew a few calling finally taking refuge
in a field of buck-wheat. Shooting
did not appear to frighten them much
as they only went back into the marsh
where I could not get at them. They have
just acquired the fall dress.

Song Sparrows were common and it
was a pleasure to hear their songs again.
They were in little family groups scattered
around and always flew up to take
refuge in the bushes.

Near the hemlocks I scared up two
Cooper Hawks but did not get a shot. They sat
in the dead tops of the trees and flew
screaming and calling across the river to
new perches where they sat scolding me.
I was rather surprised to find them in
such open places.

Got one Scarlet Tanager that
was in the process of molt. patches of green
showed on the plumage back and rump while
the breast and throat were also changing.
They wing feathers had also been mostly
molted.

August 17, Friday.

1880. *Empidonax traillii alnorum*. A. Wetmore. Half Moon Woods, North Freedom, Wis, iris brown. maxilla blackish brown. tip of mandible dull brown. rest dull buff. tarsus slate. Length 142 wing 73 tail 60. ♂ ad. Stomach contents - green worm.
1881. *Empidonax traillii alnorum*. A. Wetmore. Samaraek Swamp North Freedom, Wis, iris brown. maxilla brown mandible slight buff. tarsus pale slate. Length 113 wing 60 tail 32 ♀ yg. Stomach contents insects.
1882. *Empidonax traillii alnorum*. A. Wetmore. Samaraek Swamp, North Freedom, Wis. iris brown. maxilla dull brown. mandible buff. tarsus pale slate. Length 120 wing 65 tail 37 ♀ yg. Stomach contents insects.
1883. *Setophaga ruticilla*. A. Wetmore. Half Moon Woods, North Freedom, Wis, iris dark brown. base of mandible dusky rest of bill black. tarsus black. Length 133 wing 65 tail 53 ♂ ad. Stomach contents insects.
1884. *Setophaga ruticilla*. A. Wetmore. Half Moon Woods, North Freedom, Wis, iris brown. bill dull brown. tarsus dusky. Length 135 wing 64 tail 58 ♂ im. Stomach contents insects.
1885. *Parus atricapillus*. A. Wetmore. Half Moon Woods, North Freedom, Wis, iris brown. bill black. tarsus dull slate. Length 129 wing 64 tail 63 ♀ ad. Stomach contents insects.
1886. *Dendroica pennsylvanica*. A. Wetmore. Half Moon Woods, North Freedom, Wis, iris brown. maxilla and tip of mandible black. rest of mandible slate. tarsus dusky brown. Length 126 wing 65 tail 52 ♂ im. Stomach contents insects.
1887. *Sphyrapicus varius*. A. Wetmore. Half Moon Woods, North Freedom, Wis, iris brown. maxilla dull black mandible dusky. tarsus dull greenish slate. Length 184 wing 120 tail 54 ♀ ad. Stomach contents insects.

1888. *Sphyrapicus varius*. A. Wetmore - Half Moon Woods, North Freedom, Wis, iris dark brown. ^{bill} culmen & gonydactyl. rest of bill hair brown. Tarsus dull drab slate. Length 213 wing 123 tail 78
 Bad Stomach contents - insects.

Last night it rained a little and became cooler and in the morning the sky was overcast with clouds. Went over in the Half Moon Woods for a couple of hours after breakfast.

There were quite a few Warblers in the woods with the Chickadees as usual. One little gray fellow sat in the top of a tree and proved to be a young *O. permythamica*. Redstarts were abundant and sang a little. The two that I took were in perfect plumage. The other birds were silent except for an occasional thin note. They might be very easily overlooked entirely unless one were watching for them. It is not surprising that I missed the August migration for so many years. Saw a single Water Thrush. It came flying through the woods chipping excitedly and lit along the river but could not be found again.

Heard the Kekano of the Yellow-bellied Woodpecker several times and took two of them. They kept well up on the trunks of the trees where they were concealed by the leaves. The tail feathers of both were in bad condition. I should think the woodpeckers would have rather a hard time of it during the molt. One of this hatched around with great caution.

In the Sannarack swamp I heard a quiet explosive note and secured the author as Older Flycatcher. It was flitting from one perch to another in the tops of the trees and though not apparently wild usually chose concealed perches. Then a thin note constantly repeated attracted my attention and I saw two young of the same species sitting close together.

on a limb. both were secured at one shot. The other adult was also seen but could not be secured. They were in a little opening right in the center of the swamp. This is the first time I have taken this species here.

Aug. 18, Saturday

1889. *Astragalinus tristis*. A. Wetmore. Oak Hill North Freedom, Wis, iris brown. maxilla & tip of mandible olive brown. base of mandible dull yellow. Tarsus brown. Length 123 wing 73 tail 48. Food stomach contents thistle seeds.

1890. *Astragalinus tristis*. A. Wetmore. Oak Hill North Freedom, Wis, iris brown. tip of bill dull olive base of maxilla buffy. base of mandible dull yellow. Tarsus brown. Length 118 wing 69 tail 46. Food stomach contents seeds.

1891. *Vireosylva olivacea*. A. Wetmore. Oak Hill North Freedom Wis, iris dull red. maxilla black. base of mandible dull white rest slate. Tarsus bluish slate. Length 140 wing 77 tail 52. Food stomach contents insects.

1892. *Minotilta varia*. A. Wetmore. Oak Hill, North Freedom, Wis, iris brown. maxilla & tip of mandible black. rest of bill dull white. Tarsus dusky. feet tinged with greenish. Length 130 wing 68 tail 47. Food stomach contents insects.

1893. *Contopus virens*. A. Wetmore. Oak Hill. North Freedom Wis, iris dark brown. maxilla black. tip of mandible dull brown. rest dull yellow. Tarsus black. Length 152 wing 83 tail 62. Food stomach contents insects.

1894. *Sitta carolinensis*. A. Wetmore. Oak Hill, North Freedom Wis, iris dark brown. maxilla and tip of mandible black. Tarsus dusky. Length 150 wing 89 tail 48. Food stomach contents insects.

1895. *Pranga erythronotus*. A. Wetmore. Oak Hill, North Freedom, Wis, iris brown. bill greenish olive. mandible pale. Tarsus drab slate. Length 180 wing 95 tail 66. Food stomach contents grasshopper.

1896. *Tyrannus tyrannus*. W. Wetmore. Oak Hill, North Freedom, Wis, iris dark brown. base of mandible pinkish white. rest of bill black. tarsus black. Length 200 wing 115 tail 79. Stomach contents insects.

1897. *Pipilo erythrophthalmus*. W. Wetmore. Oak Hill, North Freedom, Wis, iris reddish brown. maxilla and tip of mandible black. rest of mandible dull slate. tarsus pale brown. Length 189 wing 87 tail 88. Stomach contents insects.

1898. *Galeoscoptes carolinensis*. W. Wetmore. Oak Hill, North Freedom, Wis, iris brown. bill black. tarsus black. Length 205 wing 88 tail 89. Stomach contents choke cherries.

1899. *Merula migratoria*. W. Wetmore. Oak Hill, North Freedom, Wis, iris dark brown. bill brownish black. tarsus dusky. Length 240 wing 130 tail 94. Stomach contents. Choke cherries.

This morning it was clear and bright with a very heavy dew. After breakfast I went up on the Hill above town. This hill is about two hundred feet high and is very steep. It is covered with red oaks or where these have been cut away by impenetrable tangles of blackberry vines, hazel brush, choke cherries and other small trees or bushes. These clearings were found scattered through the woods and around these the most of the birds were found. Choke cherries and blackberries were ripe and attracted the usual species of birds. No strange insects were seen but one pink flower was found growing on the side hill which I did not know. It grew in clusters about fifteen inches high and had a composite flower. Fringed guthans were in blossom and hazelnuts were ripe. Thistle were dead ripe and their fluffy seeds were blowing everywhere. Between the trees hung innumerable cobwebs which caught across my face as I passed in an unbearable manner. These webs seem always to be found in oak woods more than anywhere else.

Field Sparrows were still singing though they kept well out of sight. A few Chipping Sparrows were also seen in the open places but none were taken.

Quite a few Robins were seen in the more open localities mostly the young of the year. I think they frequent the woods until the full plumage is obtained and here they had a supply of food right at hand. They called and scolded at me and one or two sitting in the dead tops of the trees made a slight attempt at song.

In the opening grew clumps of thistles large and thrifty and able to resist all invaders as I found to my sorrow. American goldfinches were feeding on these, not yet in family groups but singly or in pairs. Others flew back and forth overhead calling happily. They were quite restless while perching and I shot two under the impression that they were something else. One indeed tricked me badly. It came flying out into the sun from the gloom of the trees and perching low down in an oak began hopping nervously around in the leaves in a very warbler like manner. Finally it dropped to the ground in a patch of thistles and I got it.

Heard the whistle of the Towhee several times and shot one, a female. Oak brush and Towhees seem always to go together in Wisconsin as well as in Kansas. These birds have taken possession of this hill in the last few years as my notes will show.

Red-eyed Vireos were common and were singing. These birds also seem to belong with the Red Oaks. They were calling back and forth to each other continually and most of them were young birds.

Yellow-throated Vireos were also found

here but they did not sing so much. I think they range more in the bottoms or at any rate where the trees are large. Here on the hill they kept along the east side where the oaks obtain a considerable size.

Heard the thin song of the Black and white warbler and following it up secured the bird. It was running around in the branches of an oak. It was interesting to note the proportionally large feet for such a small bird and the development of the hind toe would also cause comment. By this means it is enabled to hang on and the enlargement of this toe probably gives a broader base to hang to. Even the claw was much larger than in the other three toes.

Also secured a White-breasted Nuthatch. This bird also showed an enormous development of the feet which was much greater than that in *Minotilta varia*. Taking in consideration the size of the bird the hind toe with its claw was disproportionately large and the claw was much curved giving a greater grasp. The difference in development of the two birds comes apparently from the difference in habits. The Nuthatch is completely Picine in its habits and even exceeds that group of birds in its great activity while the Warbler has many of the habits of its boreal relative. The shortness of the tail in the nuthatch might also point out that it had followed this ~~branner~~ manner of life longer than the Warbler ~~as~~ for as the feet are held near the center of gravity the body there is less need of a balance and thus a long tail would

tend more to overbalance the bird while it was hanging head down. Then the fact that there is only one species of *Minotilta* in North America while there are many *Sittidae* would also point out that the Nuthatches have had this habit longest. For the number of species having the same manner of life must have sprung from one origin at an early date while in *Minotilta* there has ~~not~~ been no time for differentiation to take place. Since it inhabits so many different localities it is certain that this must occur sometime however.

August 20, Monday

1900. *Helminthophila peregrina*. A. Wetmore. Tamarack Swamp, North Freedom, Wis, iris brown. maxilla + tip of mandible dusky. ramus slate. rest of mandible dull buff. tarsus dusky. Length 120 wing 60 tail 41 ♀. Stomach contents worm.

1901. *Dendroica maculosa*. A. Wetmore. Tamarack Swamp, North Freedom, Wis. iris dark brown. maxilla and tip of mandible dusky. rest of mandible greenish drab. Length 121 wing 57 tail 46 ♀. Stomach contents insects.

1902. *Dendroica rara*. A. Wetmore. Tamarack Swamp, North Freedom, Wis, iris dark brown. maxilla dull brown. maxilla dull whitish. tarsus slate. Length 120 wing 63 tail 43 ♀. Stomach contents insects.

1903. *Dendroica blackburniae*. A. Wetmore. Tamarack Swamp, North Freedom, Wis. iris dark brown. maxilla + tip of mandible dusky. base of mandible dull buffy white. tarsus brownish black. Length 128 wing 69 tail 48 ♀. Stomach contents worm.

1904. *Setophaga ruticilla*. A. Wetmore. Tamarack Swamp, North Freedom, Wis, iris dark brown. bill dull black. tarsus black. Length 135 wing 65 tail 57 ♂. Stomach contents insects.

1905. *Minotilta varia*. A. Wetmore. Tamarack Swamp, North Freedom, Wis, iris brown. maxilla + tip of

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mandible dull black rest of mandible pinkish white. tarsus dusky. feet greenish. Length 124 wing 63 tail 46. 9 in. Stomach contents insects.

1906. *Minutilla varia*. A. Wetmore. Half Moon Woods North Freedom, Wis, iris dark brown. Maxilla + tip of mandible dusky base of mandible dull buff. tarsus dusky feet greenish. Length 122 wing 69 tail 46. 3 in. Stomach contents insects.

1907. *Vireosylva olivaceus*. A. Wetmore. River Woods North Freedom, Wis, iris reddish brown. maxilla dusky base of mandible dull white rest dull slate. tarsus bluish slate. Length 153 wing 82 tail 54. 3 in. Stomach contents insects.

1908. *Melospiza cinerea melodia*. A. Wetmore. Half Moon Woods, North Freedom, Wis, iris dark brown. maxilla dusky. base of mandible dull buffy rest dull slate. tarsus light brown. Length 162 wing 68 tail 68. 3 in. Stomach contents seeds.

1909. *Piranga erythromelas*. A. Wetmore. Half Moon Woods, North Freedom, Wis, iris dark brown. maxilla olive. mandible dull greenish yellow tarsus dull slate. Length 177 wing 92 tail 63. 3 in. Stomach contents insects.

1910. *Coccyzus americanus*. A. Wetmore. Half Moon Woods, North Freedom, Wis, iris dark brown. maxilla + tip of mandible black. space below + behind nasal opening + rest of mandible yellow. tarsus bluish slate. Length 291 wing 148 tail 142. 3 in. Stomach contents worms.

This morning after breakfast I went up in the Half Moon Woods. When I came up to the Half Moon a big Blue Heron flew and keeping well out of reach went up towards Udell's Marsh.

In the Jamarack Swamp I found a small straggling flock of warblers which however contained no number of species. They were hard to find because of the thick brush.

Heard the song of the Cerulean Warbler in a number of places but only secured one. They only sang in snatches but have probably been here all summer as usual.

The Blackburnian Warbler was found in the Lammack Swamp. These birds breed in just such places up north and seem to choose them in migrations too. I can well imagine applauded their choice as this is one of the pleasantest places that I know.

Scarlet Tanagers were scattered all through the woods but were hard to catch sight of. They called continually and with the white-breasted Nuthatches scolded me vigorously whenever I appeared in the open. The one that I shot flew into the top of a tree and sat there quietly and I shot it not knowing what it was. It was an adult female. Many of them have not completed the molt yet.

Several Hummingbirds were seen flying low down through the woods but could get no shots.

Yellow-bellied Cuckoos were also numerous. They were noisy and called from one direction or another most of the while. The regular notes were given often and there was also another note, a hollow double-noted cow-cow-cow-cow. This was a very deep, rather sonorous note and sounded for quite a long ways. I tried in vain to get a glimpse of the birds giving this note but could only occasionally see their slender forms as they vanished through the trees.

Red-eyed Vireos were common but were in a wretched condition of molt especially about the head. The young had a peculiar note entirely different from the usual call.

August 22, Wednesday.

1911. *Chordeiles virginianus*. A. Wetmore. Fisk's pasture, North Freedom, Wis. iris brown. bill black. Tarsus dull brown. Scutellae margined by dull white. Length 242 wing 217 tail 113. Stomach contents small insects.

1912. *Chordeiles virginianus*. A. Wetmore. Fisk's pasture, North Freedom, Wis. iris brown. bill black. Tarsus dull brown. Scutellae marked with white. Length 237 wing 202 tail 118. Stomach contents small insects.

1913. *Chordeiles virginianus*. A. Wetmore. Fisk's pasture, North Freedom, Wis. iris brown. bill black. Tarsus dull brown. Length 241 wing 242 tail 111. Stomach contents small insects.

This evening it was very warm and sultry. After supper I went down in the fields with the gun after night Hawks. Insects were abundant and the birds were flying low down. They came sailing and beating down from the north high in the air while over town but coming low down as soon as they hit the fields. They did not seem to come directly over the hill above town but rather around the end of it. They came in little bunches or singly with considerable intervals between them. They just skimmed the ground passing fearlessly directly over me though I had a white shirt on. It seemed rather difficult to kill them with No. 12 shot as several dropped either in the river or just across it a distance of fifteen rods or more. All were silent not making a sound. Their wings too were noiseless. All those that came close enough for observation were males as were those later and all three had the stomach crammed with insects.

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August 24 Thursday

1914. *Dendroica pennsylvanica*. A. Wetmore. North Freedom, Wis. iris dark brown. maxilla + tip of mandible dusky. rest of bill dull white. tarsus dusky. length 129 wing 61 tail 51 Pin. Stomach contents insects.
1915. *Dendroica pennsylvanica*. A. Wetmore. North Freedom, Wis. iris dark brown. maxilla + tip of mandible black. rest of bill dull white. tarsus dark slate. length 130 wing 62 tail 48 Pin. Stomach contents insects.
1916. *Dendroica pennsylvanica*. A. Wetmore. North Freedom, Wis. iris dark brown. maxilla + tip of mandible dull black. rest of mandible pale slate. tarsus dull slate. length 130 wing 64 tail 49 Pin. Stomach contents insects.
1917. *Dendroica pennsylvanica*. A. Wetmore. North Freedom, Wis. iris dark brown. maxilla + tip of mandible dull black. base of mandible horn. tarsus dull slate. length 121 wing 62 tail 46 Pin. Stomach contents insects.
1918. *Dendroica pennsylvanica*. A. Wetmore. North Freedom, Wis. iris dark brown. maxilla dull black. tip of mandible dull slate. base horn. length 123 wing 63 tail 50 Pin. Stomach contents insects.
1919. *Dendroica pennsylvanica*. A. Wetmore. North Freedom, Wis. iris dark brown. maxilla + tip of mandible black. base of gonyx dull buff. ~~mandible~~ rami pale slate. tarsus slaty brown. length 125 wing 60 tail 43 Pin. Stomach contents insects.
1920. *Dendroica pennsylvanica*. A. Wetmore. North Freedom, Wis. iris dark brown. maxilla + tip of mandible dull black. rami pale slate. base of gonyx dull buff. tarsus slate. length 126 wing 59 tail 45 Pin. Stomach contents insects.
1921. *Dendroica pennsylvanica*. A. Wetmore. North Freedom, Wis. iris dark brown. maxilla and tip of mandible dull brown. rami slate. base of gonyx dull buff. tarsus dull slate. length 122 wing 60 tail 43 Pin. Stomach contents insects.
1922. *Minioptila varia*. A. Wetmore. North Freedom, Wis.

iris dark brown. maxilla + tip of mandible dull black. base of mandible horn. tarsus faintly greenish slate. Length 124 wing 68 tail 49 Pin. Stomach contents insects

1923. *Minutilla varia*. A. Wetmore North Freedom Wis, iris dark brown. maxilla + tip of mandible slate rest of mandible pale dull pinkish. tarsus olive green. Length 127 wing 68 tail 49 Pin. Stomach contents insects

1924. *Wilsonia canadensis*. A. Wetmore North Freedom Wis, iris dark brown. maxilla + tip of mandible dull brown. base of mandible horn. tarsus light buff. Length 138 wing 65 tail 57 Pin. Stomach contents insects

1925. *Wilsonia canadensis*. A. Wetmore Samarak Swamp, North Freedom, Wis, iris dark brown. maxilla + tip of mandible blackish brown. base of mandible horn. tarsus pale buff. Length 147 wing 63 tail 55 Pin. Stomach contents insects

1926. *Dendroica blackburniae*. A. Wetmore Samarak Swamp, North Freedom, Wis, iris dark brown. maxilla and tip of mandible black. base of mandible horn. tarsus dusky. feet slightly greenish. Length 122 wing 63 tail 45 Pin. Stomach contents insects

1927. *Helminthophila chrysoptra*. A. Wetmore Samarak Swamp, North Freedom, Wis, iris dark brown. bill black. base of gonys vivid brown. tarsus - greenish olive. Length 118 wing 56 tail 43 Pin. Stomach contents insects

1928. *Dendroica rara*. A. Wetmore Samarak Swamp North Freedom, Wis, iris dark brown. maxilla black. mandible + tarsus slate. Length 122 wing 69 tail 42 Pin. Stomach contents insects

1929. *Scelophaea ruticilla*. A. Wetmore Samarak Swamp, North Freedom, Wis, iris dark brown. maxilla and tip of mandible dull brown. base of mandible horn brown. tarsus blackish brown. Length 129 wing 61 tail 52 Pin. Stomach contents insects

1930. *Scelophaea ruticilla*. A. Wetmore Samarak Swamp North Freedom, Wis, iris dark brown. bill black.

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tarsus black. Length 128 wing 60 tail 56 ♂ ad
Stomach contents insects

1931. *Setophaga ruticilla*. A. Wetmore. Jamarack
Swamp, North Freedom, Wis, iris dark brown. bill
black. tarsus black. Length 132 wing 64 tail 55

♂ ad Stomach contents insects

1932. *Penthestes atricapillus*. A. Wetmore. Jamarack
Swamp North Freedom, Wis, iris dark brown. bill
black. Tarsus slate. Length 130 wing 66 tail 61 ♀ imm.
Stomach contents insects.

1933. *Contopus virens*. A. Wetmore. Jamarack
Swamp, North Freedom, Wis, iris dark brown. maxilla
& tip of mandible black. rest of mandible horn. a
line of dull slate each side of gonyx. Tarsus bluish
brown. Length 158 wing 82 tail 64 ♂ ad Stomach
contents insects

1934. *Hylodichla fuscescens*. A. Wetmore. Jamarack
Swamp, North Freedom, Wis, iris dark brown.
Maxilla & tip of mandible black. base of mandible
dull buff. Tarsus light brown. paler behind
Length 175 wing 93 tail 63 ♀ imm Stomach
contents insects

1935. *Helochloras solitarius*. A. Wetmore. C & H. W.
depot North Freedom Wis, iris dark brown tip
of bill black. base very dark greenish drab. Tarsus
olive green. Length 210 wing 132 tail 55 ♂ imm Stomach
contents empty

This morning I went over in the
Jamarack Swamp after breakfast. Warblers
were common and were found every
where though it was quite warm. They
came from the north moving through
the woods rapidly in groups of from six
to fifty. The only ones that were an exception
to this rule were the Redstarts which kept
in one place most of the time and appeared
to prefer the trees overhanging the water.
Two nice males were collected. They sang
some and were noisier than any of the others.

Chestnut-sided Warblers were next in abundance to the Redstarts and some of the flocks were composed principally of them. They worked through the trees with great rapidity calling out in a thin tone. They preferred also a lower thicker growth than the others and a considerable number were found in some thick thornapple type and the broken top of a small elm. They were extremely active flitting through the tips of the twigs actively in their search for insects. All those observed were immature birds as far as I could tell.

There were quite a number of Black and White Warblers in with the others but they were slower if anything in their movements and took time for a more careful search for food. One that I secured was in full second plumage and one of the handsomest I have ever taken. The feathers were all long and soft and fluffy and fully developed. Curiously enough this one had a curious yellowish brown line of wash ^{above} beneath the eye. In the plate I published in Bird Lore some months ago this same mark was shown but was condemned in a note as a mistake in coloring.

A single Wilson Thrush was taken. This bird was also in full second plumage and was very handsomely and warmly colored. It was feeding on the ground under the goose-berry bush and flew up to a low perch where it sat quietly watching me. These birds are hard to find after the breeding season because of their retired habits and seclusiveness.

- August 28 Monday.
1936. *Spizella socialis*. Q. Wetmore. Hangers Point
North Freedom, Wis. iris brown. maxilla & tip of
mandible dull black. rest of mandible dull
brown. Tarsus brown. Length 141 wing 75 tail 61 ♂ ad
Stomach contents seeds.
1937. *Spizella socialis*. Q. Wetmore. Hangers Point
North Freedom, Wis. iris brown. maxilla & tip of
mandible dull black. rest of mandible dull buff
tarsus light brown. Length 140 wing 72 tail 61 ♂ ad
Stomach contents insects.
1938. *Vireosylva gilva*. Q. Wetmore. Hangers Point
North Freedom, Wis. iris dark brown. maxilla & tip
of mandible black. base of mandible dull
pinkish buff. tarsus slate. Length 138 wing 70 tail 49
♀ ad Stomach contents prickly ash.
1939. *Vireosylva gilva*. Q. Wetmore. Hangers Point,
North Freedom, Wis. iris dark brown. maxilla and
tip of mandible dusky. rest of mandible pale
slate. Tarsus slate. Length 145 wing 70 tail 53
♂ ad Stomach contents prickly ash.
1940. *Octitis macularia*. Q. Wetmore. Hangers Point
North Freedom, Wis. iris dark brown. maxilla &
tip of mandible blackish brown. rest of mandible
dull brown. Tarsus dull drab buff. Length 187
wing 100 tail 47 ♀ im. Stomach contents insects.
1941. *Octitis macularia*. Q. Wetmore. Hangers Point
North Freedom, Wis. iris dark brown. maxilla
and tip of mandible dull brownish black. base of
mandible dull brown. Tarsus dull buffy drab.
Length 187 wing 107 tail 45 ♀ im. Stomach contents insects.
1942. *Helochromas solitarius*. Q. Wetmore. Hangers Point
North Freedom, Wis. iris dark brown. bill dull black
tarsus drab green. Length 202 wing 126 tail 54
♀ im. Stomach contents empty.
1943. *Helochromas solitarius*. Q. Wetmore. Hangers Point
North Freedom, Wis. iris dark brown. bill dull black.
Tarsus greenish drab. Length 208 wing 129 tail 55
♀ im. Stomach contents insects.

1944. *Actodromas maculatus* A. Wetmore. Hangers Point North Freedom, Wis, iris dark brown. bill blackish brown. tarsus buffy drab. Length 220 wing 128 tail 57 8 im. Stomach contents insects.
1945. *Actodromas maculatus* A. Wetmore. Hangers Point North Freedom, Wis, iris dark brown. bill brownish black. tarsus buffy drab. Length 213 wing 132 tail 51 8 im. Stomach contents insects.
1946. *Totanus flavipes* A. Wetmore. Hangers Point North Freedom, Wis, iris dark brown. bill brownish black. tarsus dull yellow. Length 250 wing 161 tail 62 8 im. Stomach contents insects.
1947. *Pochilymbus podiceps* A. Wetmore. Hangers Point North Freedom, Wis, iris yellowish brown. bill dull horn. band across nostril + culmen dusky. tarsus blackish drab. Length 301 wing 116 tail 30 9 im. Stomach contents feathers.

This morning Art Rudyard and I went over to the millpond. This was a sluggish body of water formed from the dammed up waters of Seely Creek. It pursued a very tortuous course through a fair sized valley between two hills. The water was colored a dull red from the waste water of the mine and this had also left a deposit of red on the mudbanks along shores as my shoes soon testified. Perhaps at some remote date future prospectors will find some traces of iron here long after the mines at North Freedom are forgotten. It can be easily seen here how the beds of iron were deposited. For water impregnated with iron as this is and percolating through some porous rock would of necessity leave behind a deposit. The mud here in this pond is strongly impregnated with red ore from which only two years ago ~~scarcely~~ a trace of red could be discerned in the water (and that only when looking at a body of it at a distance).

Five large Blue Herons were seen flying about and were evidently just leaving their roost. They came from a straw bed in the hills in which I am certain they have nested for many years though I have never found the nest. They were wary and kept their distance offering no shots.

When we first came to the pond I saw a small or rather medium-sized bird swimming in one of the channels and thought it was a duck. By getting behind a willow I managed to get close enough for a shot but found the bird was a Red-billed Grebe. It swam out a little ways and I shot it. The stomach was full of feathers as seems nearly always to be the case and the bird was exceedingly fat.

There were quite a number of Sandpipers on the pond and getting a boat we went after them. Two Pectoral Sandpipers were seen and both were secured. They flew about with a swift rather erratic flight calling harshly. One flew to a mud bank when the other was shot and we went after it in the boat. It could not be seen until we were almost at the shore when it came running fearlessly along picking at the mud. They did not dip up and bob as much as the Solitaires and Spotties and also were grayer in color. They were feeding on exposed mud-banks.

A single Lesser Yellowlegs came flying directly at us and swinging of was secured. It seemed perfectly fearless. The stomach was empty and I think that it had just dropped in attracted by the feeding grounds. I have heard them flying overhead here many times but they shot only occasionally.

The Spotted Sandpipers were here also they kept gathered in a loose flock, though a few scattered ones were seen. They kept flying around excitedly calling much as they do in mating time I and obviously enough in the specimens taken the sexual organs were found to be somewhat enlarged. Can these birds mate as the White breasted Nuthatches do? When we approached they came flying around calling excitedly and circling about us. One that I winged swam and dove readily. Under water it used its wings to help its progress.

Along a side hill overgrown with rag weed were about thirty Chipping Sparrows gathered in a loose flock. This seems to be their habit after the breeding season and after these duties are over they forsake their old haunts near the house and gather in small flocks in open places in the woods. These flew up at our approach and took low perches in the oak trees where they sat motionless but soon dropped back to the ground to continue their feeding. In habits they were rather quarrelsome not permitting too close an approach from the other birds.

In one place near the house in a low growth of birch were about a dozen Warbling Vireos. They were feeding on the berries of the prickly though what nourishment they got from them I could not see. Occasionally one sang a few notes but for the greater part they were silent.

August 30 Friday

1948. *Chordeiles virginianus henryi*. A. Wetmore.
Maple Hill, North Freedom, Wis, iris dark brown. bill
dull black. Tarsus light brown. Length 230 wing 200
tail 110 3 in stomach contents.

1949. *Chordeiles virginianus*. G. Wetmore. Maple Hill, North Freedom, Wis, iris dark brown. bill dull black. tarsus dark brown. Length 231 wing 200 tail 105 ♀ ad. Stomach contents insects.
1950. *Chordeiles virginianus*. G. Wetmore. Maple Hill, North Freedom, Wis, iris dark brown. bill dull black. tarsus light brown. slaty lined with dull white. Length 244 wing 209 tail 115 ♂ im. Stomach contents insects.
1951. *Chordeiles virginianus*. G. Wetmore. Maple Hill, North Freedom, Wis, iris dark brown. bill dull black. tarsus brown. Length 239 wing 202 tail 115 ♂ im. Stomach contents insects.
1952. *Pipilo erythrophthalmus*. G. Wetmore. Maple Hill, North Freedom, Wis, iris brown. ~~maxilla~~ dull black. mandible pale slate. commissure & gape yellow. tarsus brown. Length 199 wing 82 tail 90 ♀ yg. Stomach contents insects.
1953. *Piranga erythronelas*. G. Wetmore. Maple Hill, North Freedom, Wis, iris dark brown. bill olive green. tarsus dull slate. Length 167 wing 98 tail 53 ♂ ad. Stomach contents grasshopper.
1954. *Piranga erythronelas*. G. Wetmore. Maple Hill, North Freedom, Wis, iris brown. gony light brown. rest of bill brownish black. tarsus slate. Length 184 wing 96 tail 71 ♂ yg. Stomach contents insects.
1955. *Empelis cedrorum*. Alex Wetmore. Maple Hill, North Freedom, Wis, iris brown. bill black. tarsus black. Length 183 wing 95 tail 56 ♂ ad. Stomach contents black cherries.
1956. *Empelis cedrorum*. Alex Wetmore. Maple Hill, North Freedom, Wis, iris light brown. bill blackish brown. ramus pale. tarsus dusky. Length 177 wing 93 tail 54 ♂ yg. Stomach contents black cherries.
1957. *Vireosylva olivacea*. G. Wetmore. Maple Hill, North Freedom, Wis, iris reddish brown. maxilla dusky. base of mandible dull buffy white. rest light slate. tarsus slate. Length 154 wing 79 tail 53 ♂ ad. Stomach contents insects.

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Los Angeles
11/10/07

1958. *Vireosylva olivacea*. A. Wetmore. Maple Hill
North Freedom, Wis, iris reddish brown. maxilla
black. base of mandible dull white rest slate.
tarsus slate. Length 160 wing 86 tail 57 $\frac{3}{4}$ in. Stomach
contents insects.
1959. *Vireosylva olivacea*. A. Wetmore. Maple Hill, North
Freedom, Wis, iris brown. maxilla dusky. base of
mandible pale buff. rest light slate. tarsus
slate. Length 140 wing 71 tail 48 $\frac{1}{2}$ in. Stomach
contents insects.
1960. *Dendroica castanea*. A. Wetmore. Maple Hill
North Freedom, Wis, iris brown. maxilla and tip
of mandible blackish brown. base horn. tarsus
dusky. Length 141 wing 76 tail 52 $\frac{3}{4}$ in. Stomach
contents insects.
1961. *Cyanospiza cyanea*. A. Wetmore. Maple Hill
North Freedom, Wis, iris dark brown. bill dusky.
young pair. tarsus dusky. Length 135 wing 67
tail 49 $\frac{3}{4}$ in. Stomach contents grasshopper.
1962. *Spizella socialis*. A. Wetmore. Maple Hill
North Freedom, Wis, iris brown. tip of maxilla
dusky rest of bill pale dull cinnamon. tarsus
light buffy brown. Length 131 wing 64 tail 55
 $\frac{3}{4}$ in. Stomach contents insects.
1963. *Helminthophila chrysoptera*. A. Wetmore. Maple
Hill, North Freedom, Wis, iris brown. base of mandible
light brown. rest of bill blackish brown. tarsus
greenish slate. Length 118 wing 58 tail 45 $\frac{3}{4}$ in.
Stomach contents insects.

This morning after breakfast Art Rudy
and I drove up to Sullivan's in the Hill
Settlement and went hunting. It was warm
and sunny but not too hot. All along
the road we scared up small parties
of Chipping Sparrows after we got to the hills.
They fed along the sides of the road and
as we passed flew up into the bushes
where they sat quietly until we were
gone.



